



Product card - **Wall  
sandwich panel with  
visible fastening**

**SPW-S CORE<sup>PIR</sup>**

**STEEL SERVICE CENTRE**



# Product card

## Wall sandwich panel with visible fastening

**SPW-S CORE<sup>PIR</sup>**



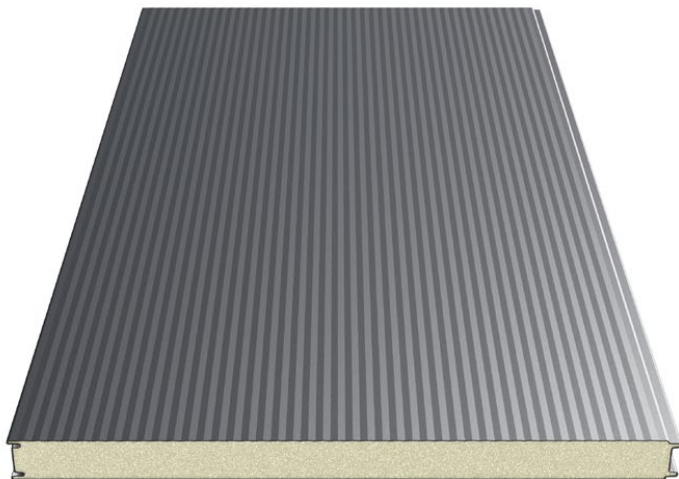
Scan the code  
and learn more  
about the product!

Sandwich panels are high-performance products that meet the requirements of the modern construction market.

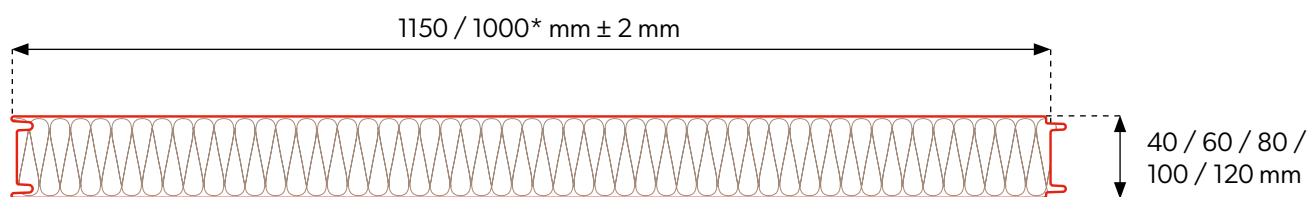
Suitable for the construction of exterior and interior wall claddings and ceilings of industrial or public utility facilities.

For the investor, it is a high quality product at a good price. For architects, it offers many possibilities in relation to the design intent. For construction managers, quick and easy installation. For construction supervision, friendly and transparent possibilities to verify the course of the entire process of construction execution from delivery until build acceptance.

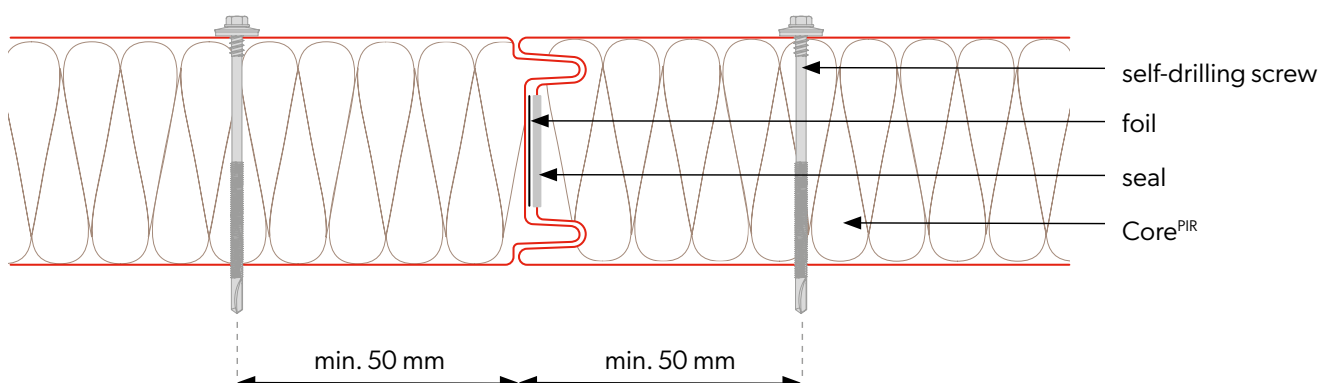
# Technical information



## Panel cross-section



## Joining the panels



## Technical information

|                                          |                                                                                        |      |      |      |      |
|------------------------------------------|----------------------------------------------------------------------------------------|------|------|------|------|
| Core                                     | PIR                                                                                    |      |      |      |      |
| Density [kg/m³]                          | 40 ± 3                                                                                 |      |      |      |      |
| PIR panel thickness [mm]                 | 40                                                                                     | 60   | 80   | 100  | 120  |
| Weight [kg/m²]                           | 8,7                                                                                    | 9,5  | 10,3 | 11,1 | 11,9 |
| Effective width [mm]                     | 1150, 1000*                                                                            |      |      |      |      |
| Total width [mm]                         | 1171, 1021*                                                                            |      |      |      |      |
| Min. panel length [m]                    | 2,5                                                                                    | 2,0  |      |      |      |
| Max. panel length [m]                    | 15,0                                                                                   |      |      |      |      |
| Outer/inner sheet thickness [mm]         | 0,3-0,7 / 0,3-0,7                                                                      |      |      |      |      |
| U-value [W/m²K]                          | 0,55                                                                                   | 0,37 | 0,28 | 0,22 | 0,18 |
| Fire spread degree                       | NRO                                                                                    |      |      |      |      |
| Type of external / internal profiling    | [M], [T1], [R], [F] / [T1], [M], [F]                                                   |      |      |      |      |
| External / internal corrosion resistance | C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)                                                    |      |      |      |      |
| Standard coatings                        | Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT] |      |      |      |      |
| Special coatings                         | PVDF, PUR, PVC (P), PVC (F) - FoodSafe                                                 |      |      |      |      |
| Accessories                              | fixing system, seals, flashings, rooflight                                             |      |      |      |      |

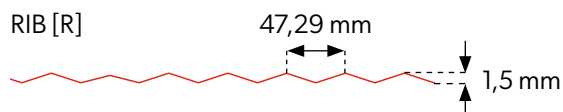
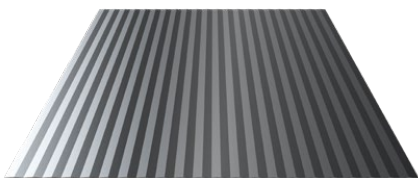
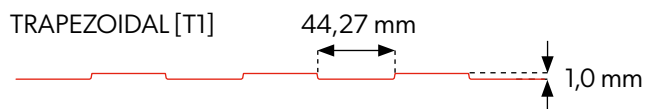
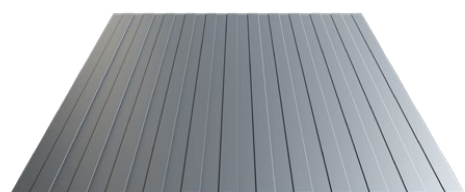
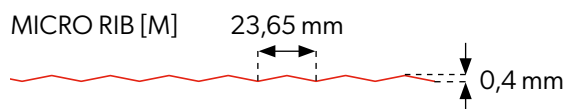
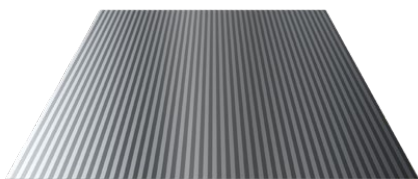


**NOTE!** The arrows marked with the symbol **^INT^** on the panel lock point to the **inner side** of the sandwich panel with the **[INT] INTERIOR** coating.



\* Module availability is agreed individually with the sales department.

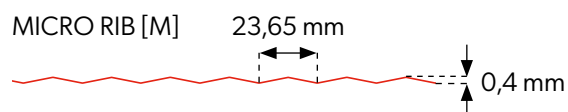
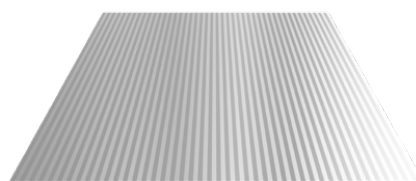
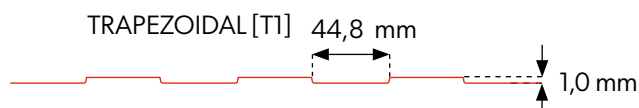
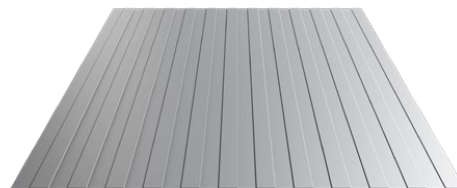
## External profiling



FLAT [F]



## Internal profiling



FLAT [F]



ATTENTION! Due to the structure of sandwich panels with FLAT [F] profiles, the so-called effect may occur. „waves“ of the sheet metal. This is a natural phenomenon for this type of products. We recommend contacting the technical department to choose the optimal solution.

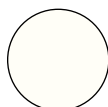


Internal and external profiling are available in any configuration.

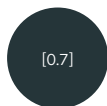
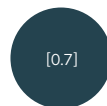
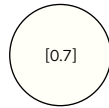


## Coatings and colors

### **POLIELSTER Interior [INT]** - Available colors for interior cladding

INT  
9002INT  
9010

### **POLIELSTER Standard [RAL]** - Available colors for exterior cladding

RAL  
1002RAL  
1015RAL  
3000RAL  
3005RAL  
3009RAL  
3011RAL  
5010RAL  
6005RAL  
6011RAL  
6020RAL  
6029RAL  
7016RAL  
7024RAL  
7035RAL  
8004RAL  
8017RAL  
8019RAL  
9002RAL  
9005RAL  
9006RAL  
9007RAL  
9010

### **HERCULIT [HC]**



HC 3009



HC 7016



HC 8004

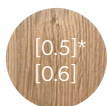
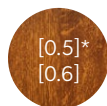


HC 8017



HC 9005

### **MULTILAYER 40 [MLT]** - Available colors for exterior cladding

SL252  
WinchesterSL59  
Dark OakSL65  
Golden  
Oak

Printing technology does not allow faithful rendering of colors. Therefore the colors shown are indicative and may differ from actual colors.



In addition, on individual order, non-standard colors and coatings are available, outside the palette shown (PVDF, PUR, PVC (P), PVC (F) - FoodSafe).

## Coating parameters

| Code                      | Coating thickness | Corrosion resistance | UV resistance  |
|---------------------------|-------------------|----------------------|----------------|
| POLIELSTER Interior [INT] | 15 µm             | RA2                  | Not applicable |
| POLIELSTER Standard [RAL] | 25 µm             | RC3                  | RUV2           |
| HERCULIT [HC]             | 35 µm             | RC4                  | RUV4           |
| MULTILAYER 40 [MLT]       | 40 µm             | RC3                  | RUV3           |

## Notes

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 40 T1/T1 0,50/0,40

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | 0,3                                                                | 0,4  | 0,5  | 0,6  | 0,7  | 0,8  | 0,9  | 1,0  | 1,2  | 1,4  | 1,6  | 1,8  | 2,0  |
| Single Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 41   | 41   |
|             |              | 4,44                                                               | 4,16 | 3,88 | 3,65 | 3,46 | 3,29 | 3,15 | 3,03 | 2,82 | 2,54 | 2,24 | 2,00 | 1,81 |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 41   | 41   |
|             |              | 4,44                                                               | 4,16 | 3,88 | 3,65 | 3,46 | 3,29 | 3,15 | 3,03 | 2,82 | 2,54 | 2,24 | 2,00 | 1,81 |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 41   | 41   |
|             |              | 4,44                                                               | 4,16 | 3,88 | 3,65 | 3,46 | 3,29 | 3,15 | 3,03 | 2,82 | 2,54 | 2,24 | 2,00 | 1,81 |
| Double Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,29                                                               | 3,88 | 3,60 | 3,39 | 3,22 | 3,09 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,29                                                               | 3,88 | 3,60 | 3,39 | 3,22 | 3,09 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,29                                                               | 3,88 | 3,60 | 3,39 | 3,22 | 3,09 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,42                                                               | 4,76 | 4,32 | 4,00 | 3,74 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,42                                                               | 4,76 | 4,32 | 4,00 | 3,74 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,42                                                               | 4,77 | 4,32 | 3,99 | 3,74 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | -0,3                                                                   | -0,4 | -0,5 | -0,6 | -0,7 | -0,8 | -0,9 | -1,0 | -1,2 | -1,4 | -1,6 | -1,8 | -2,0 |
| Single Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,83                                                                   | 4,39 | 4,00 | 3,66 | 3,38 | 3,17 | 2,99 | 2,83 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,44                                                                   | 4,16 | 3,88 | 3,65 | 3,38 | 3,17 | 2,99 | 2,83 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 3,76                                                                   | 3,57 | 3,42 | 3,29 | 3,17 | 3,07 | 2,98 | 2,83 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
| Double Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,17                                                                   | 4,48 | 4,00 | 3,66 | 3,38 | 3,17 | 2,99 | 2,83 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,17                                                                   | 4,48 | 4,00 | 3,66 | 3,38 | 3,17 | 2,99 | 2,83 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,13                                                                   | 3,73 | 3,46 | 3,25 | 3,09 | 2,96 | 2,85 | 2,75 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,16                                                                   | 4,48 | 4,00 | 3,66 | 3,38 | 3,17 | 2,99 | 2,84 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,17                                                                   | 4,48 | 4,00 | 3,66 | 3,38 | 3,17 | 2,99 | 2,84 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,16                                                                   | 4,48 | 4,00 | 3,66 | 3,38 | 3,17 | 2,99 | 2,83 | 2,59 | 2,40 | 2,24 | 2,02 | 1,83 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |



The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 40 T1/T1 0,50/0,50

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | 0,3                                                                | 0,4         | 0,5         | 0,6         | 0,7         | 0,8         | 0,9         | 1,0         | 1,2         | 1,4         | 1,6         | 1,8         | 2,0         |
| Single Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 41          |
|             |              | <b>4,53</b>                                                        | <b>4,25</b> | <b>4,00</b> | <b>3,76</b> | <b>3,56</b> | <b>3,40</b> | <b>3,25</b> | <b>3,12</b> | <b>2,90</b> | <b>2,53</b> | <b>2,23</b> | <b>2,00</b> | <b>1,81</b> |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 41          |
|             |              | <b>4,53</b>                                                        | <b>4,25</b> | <b>4,00</b> | <b>3,76</b> | <b>3,56</b> | <b>3,40</b> | <b>3,25</b> | <b>3,12</b> | <b>2,90</b> | <b>2,53</b> | <b>2,23</b> | <b>2,00</b> | <b>1,81</b> |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 41          |
|             |              | <b>4,53</b>                                                        | <b>4,25</b> | <b>4,00</b> | <b>3,76</b> | <b>3,56</b> | <b>3,40</b> | <b>3,25</b> | <b>3,12</b> | <b>2,90</b> | <b>2,53</b> | <b>2,23</b> | <b>2,00</b> | <b>1,81</b> |
| Double Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,37</b>                                                        | <b>4,80</b> | <b>4,41</b> | <b>4,12</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,38</b>                                                        | <b>4,80</b> | <b>4,41</b> | <b>4,12</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,38</b>                                                        | <b>4,80</b> | <b>4,41</b> | <b>4,12</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,88</b>                                                        | <b>5,10</b> | <b>4,55</b> | <b>4,16</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,88</b>                                                        | <b>5,10</b> | <b>4,56</b> | <b>4,16</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,88</b>                                                        | <b>5,10</b> | <b>4,56</b> | <b>4,16</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | -0,3                                                                   | -0,4        | -0,5        | -0,6        | -0,7        | -0,8        | -0,9        | -1,0        | -1,2        | -1,4        | -1,6        | -1,8        | -2,0        |
| Single Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>4,99</b>                                                            | <b>4,54</b> | <b>4,20</b> | <b>3,94</b> | <b>3,72</b> | <b>3,52</b> | <b>3,34</b> | <b>3,19</b> | <b>2,93</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>4,53</b>                                                            | <b>4,26</b> | <b>4,00</b> | <b>3,76</b> | <b>3,56</b> | <b>3,40</b> | <b>3,25</b> | <b>3,12</b> | <b>2,90</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>3,81</b>                                                            | <b>3,63</b> | <b>3,47</b> | <b>3,34</b> | <b>3,23</b> | <b>3,13</b> | <b>3,04</b> | <b>2,94</b> | <b>2,75</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
| Double Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,77</b>                                                            | <b>5,04</b> | <b>4,55</b> | <b>4,16</b> | <b>3,85</b> | <b>3,61</b> | <b>3,40</b> | <b>3,23</b> | <b>2,95</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,12</b>                                                            | <b>4,55</b> | <b>4,16</b> | <b>3,87</b> | <b>3,64</b> | <b>3,46</b> | <b>3,29</b> | <b>3,15</b> | <b>2,92</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>3,46</b>                                                            | <b>3,22</b> | <b>3,04</b> | <b>2,90</b> | <b>2,78</b> | <b>2,69</b> | <b>2,61</b> | <b>2,53</b> | <b>2,41</b> | <b>2,32</b> | <b>2,24</b> | <b>2,02</b> | <b>1,83</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,88</b>                                                            | <b>5,10</b> | <b>4,56</b> | <b>4,16</b> | <b>3,85</b> | <b>3,61</b> | <b>3,40</b> | <b>3,23</b> | <b>2,94</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,88</b>                                                            | <b>5,10</b> | <b>4,56</b> | <b>4,16</b> | <b>3,85</b> | <b>3,61</b> | <b>3,40</b> | <b>3,23</b> | <b>2,94</b> | <b>2,56</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>4,71</b>                                                            | <b>4,15</b> | <b>3,77</b> | <b>3,49</b> | <b>3,28</b> | <b>3,10</b> | <b>2,96</b> | <b>2,84</b> | <b>2,64</b> | <b>2,49</b> | <b>2,25</b> | <b>2,02</b> | <b>1,83</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 60 T1/T1 0,50/0,40

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | 0,3                                                                | 0,4  | 0,5  | 0,6  | 0,7  | 0,8  | 0,9  | 1,0  | 1,2  | 1,4  | 1,6  | 1,8  | 2,0  |
| Single Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 42   | 45   | 49   | 53   | 56   | 60   | 60   |
|             |              | 6,21                                                               | 5,68 | 5,28 | 4,96 | 4,70 | 4,43 | 4,17 | 3,96 | 3,61 | 3,34 | 3,13 | 2,95 | 2,69 |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 42   | 45   | 49   | 53   | 56   | 60   | 60   |
|             |              | 6,21                                                               | 5,68 | 5,28 | 4,96 | 4,70 | 4,43 | 4,17 | 3,96 | 3,61 | 3,34 | 3,13 | 2,95 | 2,69 |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 42   | 45   | 49   | 53   | 56   | 60   | 60   |
|             |              | 6,22                                                               | 5,69 | 5,28 | 4,96 | 4,70 | 4,43 | 4,17 | 3,96 | 3,61 | 3,34 | 3,13 | 2,95 | 2,69 |
| Double Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,19                                                               | 4,69 | 4,35 | 4,10 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,19                                                               | 4,69 | 4,35 | 4,10 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,19                                                               | 4,69 | 4,35 | 4,10 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,57                                                               | 5,77 | 5,23 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,57                                                               | 5,77 | 5,23 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,57                                                               | 5,77 | 5,23 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | -0,3                                                                   | -0,4 | -0,5 | -0,6 | -0,7 | -0,8 | -0,9 | -1,0 | -1,2 | -1,4 | -1,6 | -1,8 | -2,0 |
| Single Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,34                                                                   | 5,49 | 4,91 | 4,48 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,21                                                                   | 5,49 | 4,91 | 4,48 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,36                                                                   | 5,07 | 4,84 | 4,48 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
| Double Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,34                                                                   | 5,49 | 4,91 | 4,48 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,34                                                                   | 5,49 | 4,91 | 4,49 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,01                                                                   | 4,52 | 4,19 | 3,94 | 3,74 | 3,58 | 3,45 | 3,33 | 3,14 | 2,94 | 2,75 | 2,59 | 2,46 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,34                                                                   | 5,49 | 4,91 | 4,48 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,34                                                                   | 5,49 | 4,91 | 4,48 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,34                                                                   | 5,49 | 4,91 | 4,49 | 4,15 | 3,88 | 3,66 | 3,48 | 3,17 | 2,94 | 2,75 | 2,59 | 2,46 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 60 T1/T1 0,50/0,50

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | 0,3                                                                | 0,4         | 0,5         | 0,6         | 0,7         | 0,8         | 0,9         | 1,0         | 1,2         | 1,4         | 1,6         | 1,8         | 2,0         |
| Single Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 42          | 45          | 49          | 53          | 56          | 60          | 60          |
|             |              | <b>6,36</b>                                                        | <b>5,88</b> | <b>5,46</b> | <b>5,11</b> | <b>4,73</b> | <b>4,43</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,34</b> | <b>3,13</b> | <b>2,95</b> | <b>2,68</b> |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 42          | 45          | 49          | 53          | 56          | 60          | 60          |
|             |              | <b>6,36</b>                                                        | <b>5,88</b> | <b>5,46</b> | <b>5,11</b> | <b>4,73</b> | <b>4,43</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,34</b> | <b>3,13</b> | <b>2,95</b> | <b>2,68</b> |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 42          | 45          | 49          | 53          | 56          | 60          | 60          |
|             |              | <b>6,37</b>                                                        | <b>5,88</b> | <b>5,47</b> | <b>5,11</b> | <b>4,73</b> | <b>4,43</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,34</b> | <b>3,13</b> | <b>2,95</b> | <b>2,68</b> |
| Double Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>6,52</b>                                                        | <b>5,82</b> | <b>5,33</b> | <b>4,44</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>6,52</b>                                                        | <b>5,82</b> | <b>5,33</b> | <b>4,44</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>6,52</b>                                                        | <b>5,82</b> | <b>5,33</b> | <b>4,44</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,23</b>                                                        | <b>6,26</b> | <b>5,33</b> | <b>4,44</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,23</b>                                                        | <b>6,26</b> | <b>5,33</b> | <b>4,44</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,23</b>                                                        | <b>6,26</b> | <b>5,33</b> | <b>4,44</b> | <b>3,80</b> | <b>3,33</b> | <b>2,96</b> | <b>2,66</b> | <b>2,22</b> | <b>1,90</b> | <b>1,66</b> | <b>1,48</b> | <b>1,33</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | -0,3                                                                   | -0,4        | -0,5        | -0,6        | -0,7        | -0,8        | -0,9        | -1,0        | -1,2        | -1,4        | -1,6        | -1,8        | -2,0        |
| Single Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>6,76</b>                                                            | <b>6,16</b> | <b>5,6</b>  | <b>5,11</b> | <b>4,73</b> | <b>4,42</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,35</b> | <b>3,13</b> | <b>2,95</b> | <b>2,7</b>  |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>6,36</b>                                                            | <b>5,88</b> | <b>5,46</b> | <b>5,11</b> | <b>4,73</b> | <b>4,42</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,35</b> | <b>3,13</b> | <b>2,95</b> | <b>2,7</b>  |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,46</b>                                                            | <b>5,17</b> | <b>4,94</b> | <b>4,74</b> | <b>4,57</b> | <b>4,39</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,35</b> | <b>3,13</b> | <b>2,95</b> | <b>2,7</b>  |
| Double Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,03</b>                                                            | <b>6,14</b> | <b>5,53</b> | <b>5,08</b> | <b>4,73</b> | <b>4,42</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,35</b> | <b>3,13</b> | <b>2,95</b> | <b>2,70</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>6,22</b>                                                            | <b>5,52</b> | <b>5,04</b> | <b>4,69</b> | <b>4,42</b> | <b>4,20</b> | <b>3,99</b> | <b>3,82</b> | <b>3,54</b> | <b>3,32</b> | <b>3,13</b> | <b>2,95</b> | <b>2,70</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>4,20</b>                                                            | <b>3,90</b> | <b>3,68</b> | <b>3,51</b> | <b>3,37</b> | <b>3,26</b> | <b>3,16</b> | <b>3,07</b> | <b>2,92</b> | <b>2,81</b> | <b>2,71</b> | <b>2,62</b> | <b>2,55</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,22</b>                                                            | <b>6,26</b> | <b>5,60</b> | <b>5,11</b> | <b>4,73</b> | <b>4,42</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,35</b> | <b>3,13</b> | <b>2,95</b> | <b>2,70</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,22</b>                                                            | <b>6,26</b> | <b>5,60</b> | <b>5,11</b> | <b>4,73</b> | <b>4,42</b> | <b>4,17</b> | <b>3,96</b> | <b>3,61</b> | <b>3,35</b> | <b>3,13</b> | <b>2,95</b> | <b>2,70</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,72</b>                                                            | <b>5,03</b> | <b>4,56</b> | <b>4,22</b> | <b>3,96</b> | <b>3,75</b> | <b>3,57</b> | <b>3,43</b> | <b>3,19</b> | <b>3,01</b> | <b>2,86</b> | <b>2,73</b> | <b>2,63</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 80 T1/T1 0,50/0,40

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | 0,3                                                                | 0,4  | 0,5  | 0,6  | 0,7  | 0,8  | 0,9  | 1,0  | 1,2  | 1,4  | 1,6  | 1,8  | 2,0  |
| Single Span | I            | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 56   | 61   | 65   | 69   | 73   |
|             |              | 7,72                                                               | 7,06 | 6,48 | 5,92 | 5,48 | 5,12 | 4,83 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             | II           | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 56   | 61   | 65   | 69   | 73   |
|             |              | 7,72                                                               | 7,06 | 6,48 | 5,92 | 5,48 | 5,12 | 4,83 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             | III          | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 56   | 61   | 65   | 69   | 73   |
|             |              | 7,73                                                               | 7,05 | 6,48 | 5,92 | 5,48 | 5,12 | 4,83 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
| Double Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,96                                                               | 5,38 | 4,99 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,96                                                               | 5,38 | 4,99 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,96                                                               | 5,38 | 4,99 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,55                                                               | 6,63 | 5,32 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | -0,3                                                                   | -0,4 | -0,5 | -0,6 | -0,7 | -0,8 | -0,9 | -1,0 | -1,2 | -1,4 | -1,6 | -1,8 | -2,0 |
| Single Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,33                                                                   | 6,35 | 5,68 | 5,18 | 4,80 | 4,49 | 4,23 | 4,02 | 3,67 | 3,40 | 3,18 | 3,00 | 2,84 |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,33                                                                   | 6,35 | 5,68 | 5,18 | 4,80 | 4,49 | 4,23 | 4,02 | 3,67 | 3,40 | 3,18 | 3,00 | 2,84 |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,86                                                                   | 6,35 | 5,68 | 5,18 | 4,80 | 4,49 | 4,24 | 4,02 | 3,67 | 3,40 | 3,18 | 3,00 | 2,84 |
| Double Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,33                                                                   | 6,35 | 5,68 | 5,18 | 4,80 | 4,49 | 4,24 | 4,02 | 3,67 | 3,40 | 3,18 | 3,00 | 2,84 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,33                                                                   | 6,35 | 5,68 | 5,18 | 4,80 | 4,49 | 4,23 | 4,02 | 3,67 | 3,40 | 3,18 | 3,00 | 2,84 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 5,75                                                                   | 5,20 | 4,81 | 4,52 | 4,30 | 4,12 | 3,96 | 3,83 | 3,61 | 3,40 | 3,17 | 3,00 | 2,84 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,33                                                                   | 6,35 | 5,68 | 5,18 | 4,80 | 4,49 | 4,24 | 4,02 | 3,67 | 3,40 | 3,18 | 3,00 | 2,84 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 80 T1/T1 0,50/0,50

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | 0,3                                                                | 0,4  | 0,5  | 0,6  | 0,7  | 0,8  | 0,9  | 1,0  | 1,2  | 1,4  | 1,6  | 1,8  | 2,0  |
| Single Span | I            | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 56   | 61   | 65   | 69   | 73   |
|             |              | 8,01                                                               | 7,25 | 6,48 | 5,92 | 5,48 | 5,12 | 4,83 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             | II           | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 56   | 61   | 65   | 69   | 73   |
|             |              | 8,01                                                               | 7,25 | 6,48 | 5,92 | 5,48 | 5,12 | 4,83 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             | III          | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 56   | 61   | 65   | 69   | 73   |
|             |              | 8,01                                                               | 7,25 | 6,48 | 5,92 | 5,48 | 5,12 | 4,83 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
| Double Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,49                                                               | 6,66 | 5,32 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,49                                                               | 6,66 | 5,32 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,50                                                               | 6,65 | 5,33 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,37                                                               | 6,66 | 5,32 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,37                                                               | 6,66 | 5,32 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,37                                                               | 6,66 | 5,33 | 4,44 | 3,80 | 3,33 | 2,96 | 2,66 | 2,22 | 1,90 | 1,66 | 1,48 | 1,33 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | -0,3                                                                   | -0,4 | -0,5 | -0,6 | -0,7 | -0,8 | -0,9 | -1,0 | -1,2 | -1,4 | -1,6 | -1,8 | -2,0 |
| Single Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,35                                                                   | 7,23 | 6,47 | 5,91 | 5,47 | 5,12 | 4,82 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,01                                                                   | 7,23 | 6,47 | 5,91 | 5,47 | 5,12 | 4,82 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,00                                                                   | 6,61 | 6,30 | 5,91 | 5,47 | 5,12 | 4,82 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
| Double Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,11                                                                   | 7,07 | 6,37 | 5,86 | 5,46 | 5,12 | 4,82 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,17                                                                   | 6,35 | 5,80 | 5,39 | 5,08 | 4,83 | 4,59 | 4,39 | 4,06 | 3,81 | 3,61 | 3,41 | 3,24 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 4,82                                                                   | 4,48 | 4,23 | 4,03 | 3,87 | 3,74 | 3,63 | 3,53 | 3,36 | 3,22 | 3,11 | 3,01 | 2,93 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,35                                                                   | 7,23 | 6,47 | 5,91 | 5,47 | 5,12 | 4,82 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,35                                                                   | 7,23 | 6,47 | 5,91 | 5,47 | 5,12 | 4,82 | 4,58 | 4,18 | 3,87 | 3,62 | 3,41 | 3,24 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,57                                                                   | 5,78 | 5,24 | 4,85 | 4,54 | 4,30 | 4,10 | 3,93 | 3,66 | 3,44 | 3,27 | 3,13 | 3,01 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 100 T1/T1 0,50/0,40

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | 0,3                                                                | 0,4  | 0,5  | 0,6  | 0,7  | 0,8  | 0,9  | 1,0  | 1,2  | 1,4  | 1,6  | 1,8  | 2,0  |
| Single Span | I            | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 57   | 61   | 66   | 70   | 73   |
|             |              | 9,17                                                               | 8,12 | 7,26 | 6,62 | 6,13 | 5,74 | 5,41 | 5,13 | 4,68 | 4,33 | 4,05 | 3,82 | 3,62 |
|             | II           | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 57   | 61   | 66   | 70   | 73   |
|             |              | 9,17                                                               | 8,12 | 7,26 | 6,62 | 6,13 | 5,74 | 5,41 | 5,13 | 4,68 | 4,33 | 4,05 | 3,82 | 3,62 |
|             | III          | 40                                                                 | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 57   | 61   | 66   | 70   | 73   |
|             |              | 9,17                                                               | 8,11 | 7,26 | 6,62 | 6,13 | 5,74 | 5,41 | 5,13 | 4,68 | 4,33 | 4,05 | 3,82 | 3,62 |
| Double Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,53                                                               | 5,90 | 5,46 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,53                                                               | 5,90 | 5,46 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,53                                                               | 5,90 | 5,46 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,38                                                               | 7,34 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,38                                                               | 7,34 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,39                                                               | 7,35 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | -0,3                                                                   | -0,4 | -0,5 | -0,6 | -0,7 | -0,8 | -0,9 | -1,0 | -1,2 | -1,4 | -1,6 | -1,8 | -2,0 |
| Single Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,35 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
| Double Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,50 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,32                                                                   | 5,70 | 5,27 | 4,95 | 4,70 | 4,50 | 4,33 | 4,18 | 3,94 | 3,75 | 3,55 | 3,35 | 3,18 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,20                                                                   | 7,10 | 6,36 | 5,80 | 5,37 | 5,02 | 4,74 | 4,49 | 4,10 | 3,80 | 3,55 | 3,35 | 3,18 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 100 T1/T1 0,50/0,50

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | 0,3                                                                | 0,4         | 0,5         | 0,6         | 0,7         | 0,8         | 0,9         | 1,0         | 1,2         | 1,4         | 1,6         | 1,8         | 2,0         |
| Single Span | I            | 40                                                                 | 40          | 40          | 40          | 43          | 46          | 49          | 52          | 57          | 61          | 66          | 70          | 73          |
|             |              | <b>9,37</b>                                                        | <b>8,12</b> | <b>7,26</b> | <b>6,62</b> | <b>6,13</b> | <b>5,74</b> | <b>5,41</b> | <b>5,13</b> | <b>4,68</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             | II           | 40                                                                 | 40          | 40          | 40          | 43          | 46          | 49          | 52          | 57          | 61          | 66          | 70          | 73          |
|             |              | <b>9,37</b>                                                        | <b>8,12</b> | <b>7,26</b> | <b>6,62</b> | <b>6,13</b> | <b>5,74</b> | <b>5,41</b> | <b>5,13</b> | <b>4,68</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             | III          | 40                                                                 | 40          | 40          | 40          | 43          | 46          | 49          | 52          | 57          | 61          | 66          | 70          | 73          |
|             |              | <b>9,37</b>                                                        | <b>8,11</b> | <b>7,26</b> | <b>6,62</b> | <b>6,13</b> | <b>5,74</b> | <b>5,41</b> | <b>5,13</b> | <b>4,68</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
| Double Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>8,27</b>                                                        | <b>7,37</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>8,27</b>                                                        | <b>7,37</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>8,27</b>                                                        | <b>7,37</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,37</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,37</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,37</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,22</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | -0,3                                                                   | -0,4        | -0,5        | -0,6        | -0,7        | -0,8        | -0,9        | -1,0        | -1,2        | -1,4        | -1,6        | -1,8        | -2,0        |
| Single Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,35</b>                                                            | <b>8,09</b> | <b>7,24</b> | <b>6,61</b> | <b>6,12</b> | <b>5,72</b> | <b>5,40</b> | <b>5,12</b> | <b>4,67</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,35</b>                                                            | <b>8,09</b> | <b>7,24</b> | <b>6,61</b> | <b>6,12</b> | <b>5,72</b> | <b>5,40</b> | <b>5,12</b> | <b>4,67</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>8,51</b>                                                            | <b>8,02</b> | <b>7,24</b> | <b>6,61</b> | <b>6,12</b> | <b>5,72</b> | <b>5,40</b> | <b>5,12</b> | <b>4,67</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
| Double Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,03</b>                                                            | <b>7,87</b> | <b>7,08</b> | <b>6,50</b> | <b>6,06</b> | <b>5,70</b> | <b>5,39</b> | <b>5,12</b> | <b>4,67</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,93</b>                                                            | <b>7,02</b> | <b>6,40</b> | <b>5,95</b> | <b>5,60</b> | <b>5,31</b> | <b>5,08</b> | <b>4,85</b> | <b>4,49</b> | <b>4,21</b> | <b>3,98</b> | <b>3,79</b> | <b>3,62</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,23</b>                                                            | <b>4,86</b> | <b>4,59</b> | <b>4,37</b> | <b>4,21</b> | <b>4,06</b> | <b>3,94</b> | <b>3,83</b> | <b>3,65</b> | <b>3,50</b> | <b>3,38</b> | <b>3,27</b> | <b>3,18</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,35</b>                                                            | <b>8,09</b> | <b>7,24</b> | <b>6,61</b> | <b>6,12</b> | <b>5,72</b> | <b>5,40</b> | <b>5,12</b> | <b>4,67</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,35</b>                                                            | <b>8,09</b> | <b>7,24</b> | <b>6,61</b> | <b>6,12</b> | <b>5,72</b> | <b>5,40</b> | <b>5,12</b> | <b>4,67</b> | <b>4,33</b> | <b>4,05</b> | <b>3,82</b> | <b>3,62</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,29</b>                                                            | <b>6,40</b> | <b>5,80</b> | <b>5,36</b> | <b>5,02</b> | <b>4,74</b> | <b>4,52</b> | <b>4,33</b> | <b>4,02</b> | <b>3,79</b> | <b>3,60</b> | <b>3,44</b> | <b>3,30</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |



The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.



## Sandwich panel- SPW-S CORE PIR 120 T1/T1 0,50/0,40

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | 0,3                                                                | 0,4  | 0,5  | 0,6  | 0,7  | 0,8  | 0,9  | 1,0  | 1,2  | 1,4  | 1,6  | 1,8  | 2,0  |
| Single Span | I            | 40                                                                 | 40   | 40   | 44   | 48   | 51   | 54   | 57   | 62   | 67   | 72   | 76   | 80   |
|             |              | 10,27                                                              | 8,90 | 7,96 | 7,26 | 6,72 | 6,29 | 5,93 | 5,62 | 5,13 | 4,75 | 4,44 | 4,19 | 3,97 |
|             | II           | 40                                                                 | 40   | 40   | 44   | 48   | 51   | 54   | 57   | 62   | 67   | 72   | 76   | 80   |
|             |              | 10,27                                                              | 8,90 | 7,96 | 7,26 | 6,72 | 6,29 | 5,93 | 5,62 | 5,13 | 4,75 | 4,44 | 4,19 | 3,97 |
|             | III          | 40                                                                 | 40   | 40   | 44   | 48   | 51   | 54   | 57   | 62   | 67   | 72   | 76   | 80   |
|             |              | 10,27                                                              | 8,90 | 7,96 | 7,26 | 6,72 | 6,29 | 5,93 | 5,62 | 5,13 | 4,75 | 4,44 | 4,19 | 3,97 |
| Double Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,14                                                               | 6,44 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,14                                                               | 6,44 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 7,14                                                               | 6,44 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 9,17                                                               | 7,39 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 9,17                                                               | 7,39 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                 | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 9,17                                                               | 7,40 | 5,92 | 4,93 | 4,23 | 3,70 | 3,29 | 2,96 | 2,47 | 2,11 | 1,85 | 1,64 | 1,48 |
|             |              | 60                                                                 | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|--------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|             |              | -0,3                                                                   | -0,4 | -0,5 | -0,6 | -0,7 | -0,8 | -0,9 | -1,0 | -1,2 | -1,4 | -1,6 | -1,8 | -2,0 |
| Single Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,78 | 6,96 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,97 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,96 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
| Double Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,96 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,97 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 6,91                                                                   | 6,23 | 5,76 | 5,41 | 5,14 | 4,92 | 4,73 | 4,57 | 4,31 | 4,10 | 3,90 | 3,67 | 3,48 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Triple Span | I            | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,96 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | II           | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,96 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
|             | III          | 40                                                                     | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
|             |              | 8,99                                                                   | 7,79 | 6,97 | 6,36 | 5,89 | 5,51 | 5,19 | 4,93 | 4,50 | 4,16 | 3,90 | 3,67 | 3,48 |
|             |              | 60                                                                     | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |

The span widths are calculated according to the proof procedures given in EN 14509.  
All loads are regarded as characteristic loads. Element dead loads have been considered in the span calculations.  
Possible errors and omissions excepted. Please consider, that this table does not replace a verifiable structural design.

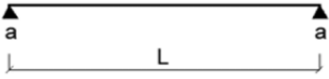
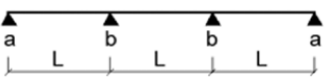


## Sandwich panel- SPW-S CORE PIR 120 T1/T1 0,50/0,50

| System      | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | 0,3                                                                | 0,4         | 0,5         | 0,6         | 0,7         | 0,8         | 0,9         | 1,0         | 1,2         | 1,4         | 1,6         | 1,8         | 2,0         |
| Single Span | I            | 40                                                                 | 40          | 40          | 44          | 48          | 51          | 54          | 57          | 62          | 67          | 72          | 76          | 80          |
|             |              | <b>10,27</b>                                                       | <b>8,90</b> | <b>7,96</b> | <b>7,26</b> | <b>6,72</b> | <b>6,29</b> | <b>5,93</b> | <b>5,62</b> | <b>5,13</b> | <b>4,75</b> | <b>4,44</b> | <b>4,19</b> | <b>3,97</b> |
|             | II           | 40                                                                 | 40          | 40          | 44          | 48          | 51          | 54          | 57          | 62          | 67          | 72          | 76          | 80          |
|             |              | <b>10,27</b>                                                       | <b>8,90</b> | <b>7,96</b> | <b>7,26</b> | <b>6,72</b> | <b>6,29</b> | <b>5,93</b> | <b>5,62</b> | <b>5,13</b> | <b>4,75</b> | <b>4,44</b> | <b>4,19</b> | <b>3,97</b> |
|             | III          | 40                                                                 | 40          | 40          | 44          | 48          | 51          | 54          | 57          | 62          | 67          | 72          | 76          | 80          |
|             |              | <b>10,27</b>                                                       | <b>8,90</b> | <b>7,96</b> | <b>7,26</b> | <b>6,72</b> | <b>6,29</b> | <b>5,93</b> | <b>5,62</b> | <b>5,13</b> | <b>4,75</b> | <b>4,44</b> | <b>4,19</b> | <b>3,97</b> |
| Double Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,04</b>                                                        | <b>7,39</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,04</b>                                                        | <b>7,39</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,04</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,86</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,86</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                 | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,86</b>                                                        | <b>7,40</b> | <b>5,92</b> | <b>4,93</b> | <b>4,23</b> | <b>3,70</b> | <b>3,29</b> | <b>2,96</b> | <b>2,47</b> | <b>2,11</b> | <b>1,85</b> | <b>1,64</b> | <b>1,48</b> |
|             |              | 60                                                                 | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

| System      | Colour group | Characteristics uplifting load, e.g. wind suction [kN/m <sup>2</sup> ] |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|--------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |              | -0,3                                                                   | -0,4        | -0,5        | -0,6        | -0,7        | -0,8        | -0,9        | -1,0        | -1,2        | -1,4        | -1,6        | -1,8        | -2,0        |
| Single Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>10,24</b>                                                           | <b>8,87</b> | <b>7,94</b> | <b>7,24</b> | <b>6,71</b> | <b>6,27</b> | <b>5,92</b> | <b>5,61</b> | <b>5,12</b> | <b>4,74</b> | <b>4,44</b> | <b>4,18</b> | <b>3,97</b> |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>10,24</b>                                                           | <b>8,87</b> | <b>7,94</b> | <b>7,24</b> | <b>6,71</b> | <b>6,27</b> | <b>5,92</b> | <b>5,61</b> | <b>5,12</b> | <b>4,74</b> | <b>4,44</b> | <b>4,18</b> | <b>3,97</b> |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,91</b>                                                            | <b>8,87</b> | <b>7,94</b> | <b>7,24</b> | <b>6,71</b> | <b>6,27</b> | <b>5,92</b> | <b>5,61</b> | <b>5,12</b> | <b>4,74</b> | <b>4,44</b> | <b>4,18</b> | <b>3,97</b> |
| Double Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>9,89</b>                                                            | <b>8,62</b> | <b>7,75</b> | <b>7,12</b> | <b>6,63</b> | <b>6,24</b> | <b>5,91</b> | <b>5,61</b> | <b>5,12</b> | <b>4,74</b> | <b>4,44</b> | <b>4,18</b> | <b>3,97</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>8,68</b>                                                            | <b>7,68</b> | <b>7,00</b> | <b>6,51</b> | <b>6,12</b> | <b>5,81</b> | <b>5,55</b> | <b>5,30</b> | <b>4,91</b> | <b>4,60</b> | <b>4,36</b> | <b>4,15</b> | <b>3,97</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>5,72</b>                                                            | <b>5,31</b> | <b>5,02</b> | <b>4,79</b> | <b>4,60</b> | <b>4,44</b> | <b>4,31</b> | <b>4,19</b> | <b>3,99</b> | <b>3,83</b> | <b>3,70</b> | <b>3,58</b> | <b>3,48</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
| Triple Span | I            | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>10,24</b>                                                           | <b>8,87</b> | <b>7,94</b> | <b>7,24</b> | <b>6,71</b> | <b>6,27</b> | <b>5,92</b> | <b>5,61</b> | <b>5,12</b> | <b>4,74</b> | <b>4,44</b> | <b>4,18</b> | <b>3,97</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | II           | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>10,24</b>                                                           | <b>8,87</b> | <b>7,94</b> | <b>7,24</b> | <b>6,71</b> | <b>6,27</b> | <b>5,92</b> | <b>5,61</b> | <b>5,12</b> | <b>4,74</b> | <b>4,44</b> | <b>4,18</b> | <b>3,97</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |
|             | III          | 40                                                                     | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          | 40          |
|             |              | <b>7,98</b>                                                            | <b>7,00</b> | <b>6,34</b> | <b>5,86</b> | <b>5,48</b> | <b>5,18</b> | <b>4,94</b> | <b>4,73</b> | <b>4,40</b> | <b>4,13</b> | <b>3,93</b> | <b>3,75</b> | <b>3,61</b> |
|             |              | 60                                                                     | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          | 60          |

The sandwich panels have been tested in accordance with EN 14509, and load tables have been developed based on the results obtained; below is how to use them and an example of the table layout and what is included.

| Sandwich panel - SPR CORE PIR 60 T40/T 0,50/0,50                                                        |              |                                                                    |      |      |
|---------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------|------|------|
| System                                                                                                  | Colour group | Characteristics downward load, e.g. snow load [kN/m <sup>2</sup> ] |      |      |
|                                                                                                         |              |                                                                    | 0,25 | 0,5  |
| <b>Single Span</b><br> | I            | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 6,01 | 4,54 |
|                                                                                                         | II           | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 6,01 | 4,54 |
|                                                                                                         | III          | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 6,01 | 4,54 |
| <b>Double Span</b><br> | I            | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 5,21 | 3,69 |
|                                                                                                         |              | b                                                                  | 60   | 60   |
|                                                                                                         | II           | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 5,21 | 3,69 |
|                                                                                                         |              | b                                                                  | 60   | 60   |
|                                                                                                         | III          | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 5,21 | 3,69 |
|                                                                                                         |              | b                                                                  | 60   | 60   |
| <b>Multi Span</b><br>  | I            | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 6,04 | 4,25 |
|                                                                                                         |              | b                                                                  | 60   | 60   |
|                                                                                                         | II           | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 6,04 | 4,25 |
|                                                                                                         |              | b                                                                  | 60   | 60   |
|                                                                                                         | III          | a                                                                  | 40   | 40   |
|                                                                                                         |              | L                                                                  | 6,04 | 4,25 |
|                                                                                                         |              | b                                                                  | 60   | 60   |

The sandwich panel load tables contain information regarding:

1. The maximum allowable panel span, resulting from the combined analysis of the ultimate limit state (ULS) and the permissible serviceability limit state (SLS);
2. The minimum width of supports for end supports, as well as for intermediate supports in multi-span systems;
3. The panel spans were calculated for single- and multi-span static schemes, as well as for different cladding color groups and different sheet metal thicknesses used in a given sandwich panel type, depending on the characteristic load acting on the panels.

The assumed external loads acting on the sandwich panels include wind and temperature differences between the panel cladding, and in the case of roof panels, also from the weight of snow, dead weight, and live load. The loads are evenly distributed across the panel surface.

Assumed operating temperatures for sandwich panel cladding:

1. Indoor room temperature in winter 20°C
2. Indoor room temperature in summer 25°C
3. Outdoor temperature in winter -20°C.
4. Outdoor temperature in summer:

Very light colors – group I - 55°C

Light colors – group II - 65°C

Dark colors – group III - 80°C

Properties of the external cladding used, made of S280GD steel, profile T1:

1. Yield strength  $f_{Ft1} = 280 \text{ N/mm}^2$
2. Nominal sheet thickness  $t_{nom} = 0.5 \text{ mm}$

Properties of the internal cladding used, made of S280GD steel, profile T1:

1. Yield strength  $f_{Ft1} = 280 \text{ N/mm}^2$
2. Nominal sheet thickness:
  - $t_{nom} = 0.4 \text{ mm}$
  - $t_{nom} = 0.5 \text{ mm}$

Deformation limit:

for maximum deformation:

short-term positive =  $L/100$

short-term negative =  $L/100$

Long-term positive =  $L/100$

Long-term negative =  $L/100$



Modular roofing tiles  
**MODULAR SERIES**



Compact roofing tiles  
**COMPACT SERIES**



Steel roofing tiles  
**CLASSIC SERIES**



Retro roof tiles  
**RETRO SERIES**



Roof panels  
**PANEL SERIES**



INTEGRATED  
**PV PANELS**



Steel roof gutter system  
**INGURI**



**TRAPEZOIDAL**  
SHEETS



**STRUCTURAL**  
PROFILES



**FLAT METAL**  
SHEETS



**FLASHINGS**



**ACCESORIES**



Roof Sandwich  
PANELS



Wall Sandwich  
PANELS



Facade cladding  
**SKRIN, LINEA**



Uncoiling and slitting  
**SERVICES**



Flat sheets and cutting  
**SERVICES**



**PERFORATION**  
of sheets