

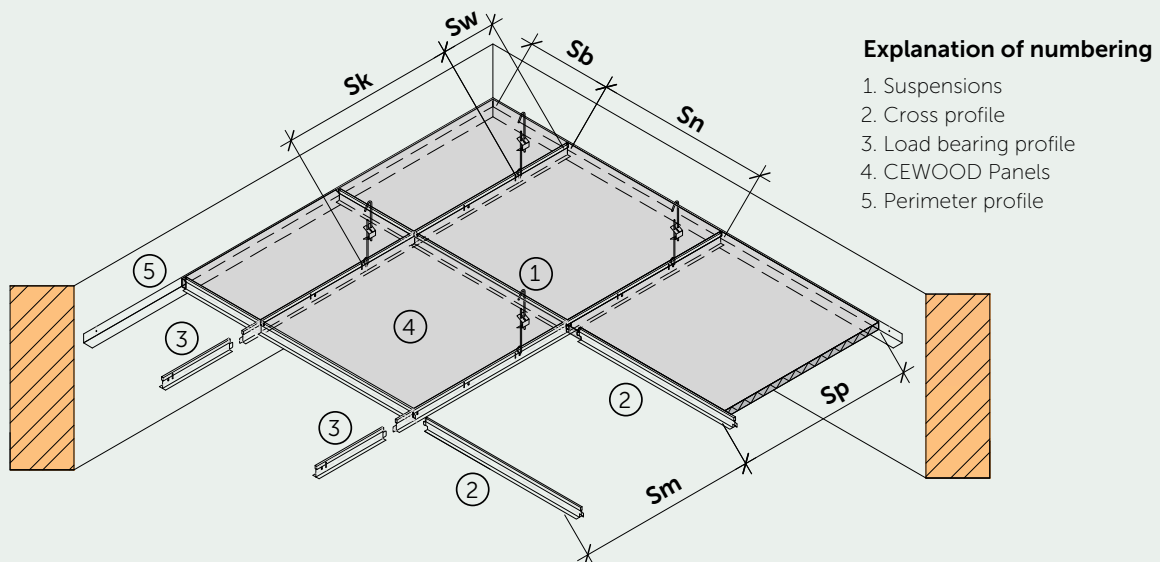
SUSPENDED CEILINGS T-PROFILE SYSTEM

SECTIONS:

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1. VISIBLE T-TYPE PROFILE FRAME ASSEMBLY

The procedure and methods of assembling the ceiling frame are determined by the manufacturer of structures. This informative material shows some examples of mounting solutions to create safe structures for CEWOOD Panel suspension. The T-type profile step is defined depending on the structural load provided the permissible flexure of 1/500 length. The step between the load-bearing profiles for CEWOOD Panel ceilings – 1200 or 600 mm, distance between mounting profiles – 600 mm. Permissible distances for suspension elements are provided in the table below.



Explanation of numbering

1. Suspensions
2. Cross profile
3. Load bearing profile
4. CEWOOD Panels
5. Perimeter profile

Maximum mounting distances between frame elements

Frame load capacity kN/m ²	0.12	0.15		0.20		0.25
Step between load-bearing profiles Sn , mm	1200	1200	600	600	600	600
Step between suspensions Sk , mm	≤ 1000	≤ 900	≤ 1100	≤ 1000	≤ 1000	≤ 1000
Distance from suspension to wall Sw , mm	≤ 250	≤ 250	≤ 250	≤ 200	≤ 200	≤ 200
Step between cross profiles Sm , mm	600	600	600	600	1200	600

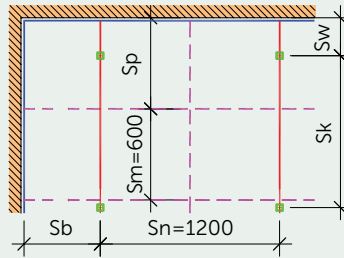
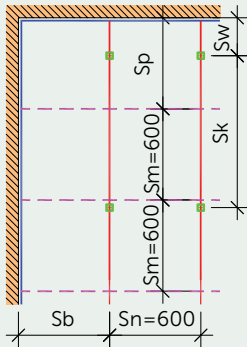
The dimensions of **Sb** and **Sp** shall be determined depending on the room size. Max. distance from wall must not exceed 600 mm. With higher loads, the step between suspensions must be accordingly reduced.

VISIBLE T-TYPE PROFILE FRAME ASSEMBLY

T-type profile frame elements and placement options

Profile placement for 595x595 mm panel assembly

- a) Distance between load-bearing profiles $S_n = 600\text{ mm}$ b) Distance between load-bearing profiles $S_n = 1200\text{ mm}$

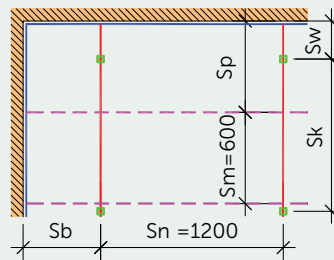
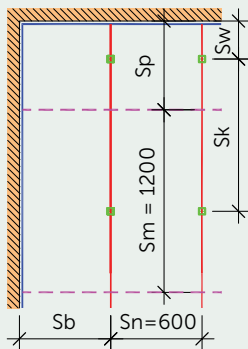


Explanation of marking:

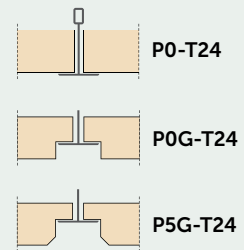
- Suspensions
- Cross profile
- Load-bearing profile
- Perimeter profile

Profile placement for 1195x595 mm panel assembly

- a) Distance between load-bearing profiles $S_n = 600\text{ mm}$ b) Distance between load-bearing profiles $S_n = 1200\text{ mm}$



CEWOOD compatible profiles for visible T-type ceilings



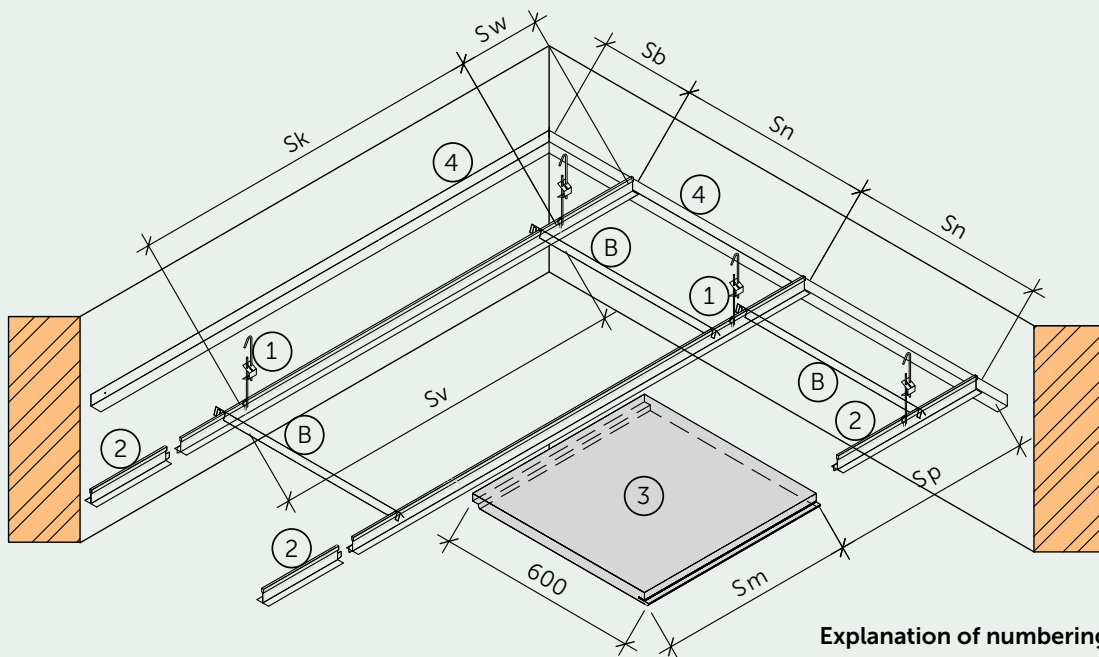
T-type profile element connection and explanation

<p>3 - Load-bearing profile connection</p>	<p>2 - Cross profile and load-bearing profile connection</p>	<p>4 - Perimeter angle profile 5 - Gradual perimeter angle profile</p>	<p>Perimeter profile and frame profile connection</p>	<p>1 - Quick, wire or nonius suspension</p>

2. HIDDEN T-TYPE PROFILE FRAME ASSEMBLY

CEWOOD Panels on hidden T-type profile frame allows creating a continuous ceiling plane without visible panel fastening elements. To assemble these ceilings, P5S edge profile panels must be used. The ceiling construction is easy to open and dismantle. The ceiling panels rests on T-type T35/38 mm profiles. Similar profiles of other manufacturers with appropriate load-bearing capacity can also be used. To access the interceiling space, the liftable end of the panel must be found and lifted. In order to create larger access openings, separate distance profiles B must also be dismantled.

ⓘ Panel size available 1200x600 mm or 600x600 mm. Minimal panel thickness 35 mm.



Explanation of numbering

1. Suspensions
 2. Load bearing profile T35/38
 3. CEWOOD Panels
 4. Perimeter profile
- B. Distance profile

Maximum mounting distances between frame elements

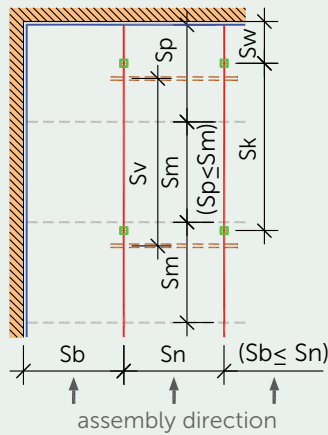
Frame load capacity kN/m ²	0.15	0.2	0.25	0.3
Step between load-bearing profiles Sn , mm	600	600	600	600
Step between suspensions Sk , mm	≤1100	≤1000	≤1000	≤800
Distance from suspension to wall Sw , mm	≤ 250	≤200	≤200	≤200
CEWOOD Panel maximum size Sm , mm	1200	1200	1200	1200
CEWOOD Panel minimum thickness, mm	35	35	35	35
The dimensions of Sb and Sp are determined depending on the room size. Max. distance from wall must not exceed 600 mm. With higher loads, the step between suspensions must be accordingly reduced.				

HIDDEN T-TYPE PROFILE FRAME ASSEMBLY

Hidden T-type profile frame elements and placement options

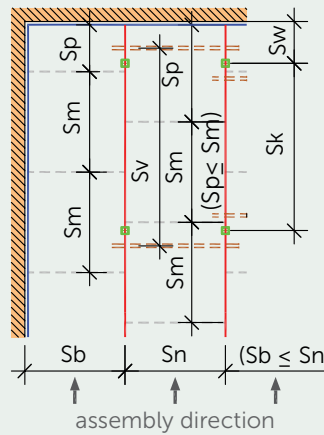
Profile placement for 600x600 mm panels

a) Distance between load-bearing profiles
 $S_n = 600\text{ mm}$



Profile placement for 1200x600 mm panels

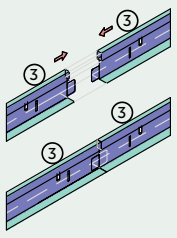
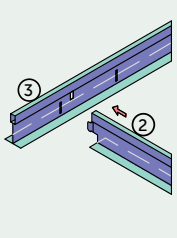
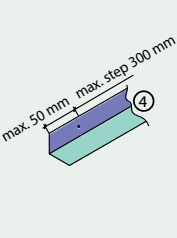
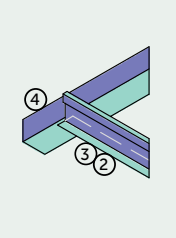
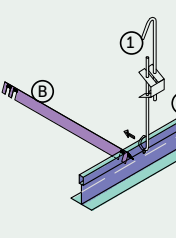
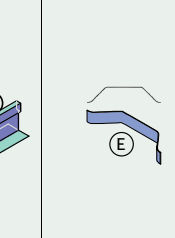
a) Distance between load-bearing profiles
 $S_n = 600\text{ mm}$



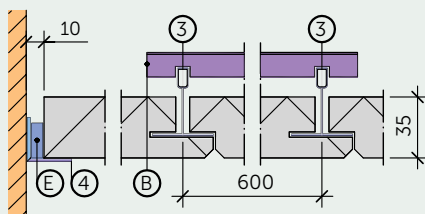
Explanation of marking:

- Suspensions
- Cross profile
- Load-bearing profile T35/38
- Perimeter profile
- Distance profile
- Spring type support

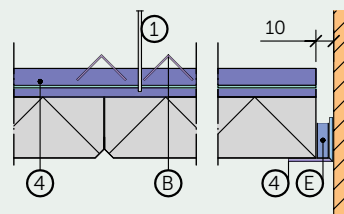
T-type profile element connection and explanation

					
3 - Load-bearing profile connection	2 - Cross profile and load-bearing profile connection	4 - Perimeter angle profile	Perimeter profile and frame profile connection	1 - Suspension B - Distance fastening profile	E - Spring type support

T-type profile frame fastening sections

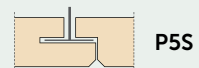


Direction with panel edge profiles P5S



Direction with panel edge profiles P5

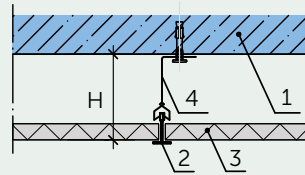
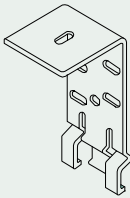
CEWOOD compatible profiles for hidden T-type ceilings



3. T-PROFILE FASTENING TYPES

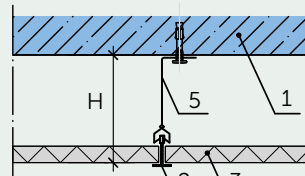
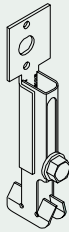
Fastening types of T-type profiles onto a load-bearing structure

Hook with non-adjustable height



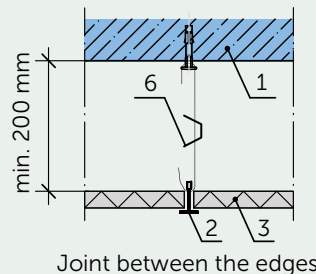
Joint between the edges

Hook with adjustable height



Joint between the edges

Quick suspension with adjustable height



Joint between the edges

Explanation of numbering

1. Load-bearing slab or foundation structure
2. Load-bearing profile
3. CEWOOD Panels
4. Hook with non-adjustable height
5. Hook with adjustable height
6. Adjustable ceiling hanger

Suspension type parameters

Suspension type	CEWOOD Panel thickness, mm	Suspension height H, mm	Suspension load-bearing capacity, kN
Quick suspension	15	180	0.15
	25	200	
	35	220	
Nonius type suspension	15, 25, 35	200	0.15
Hook with non-adjustable height	15, 25, 35	50, 80, 100	0.45
Hook with adjustable height	15, 25, 35	82- 113	0.15