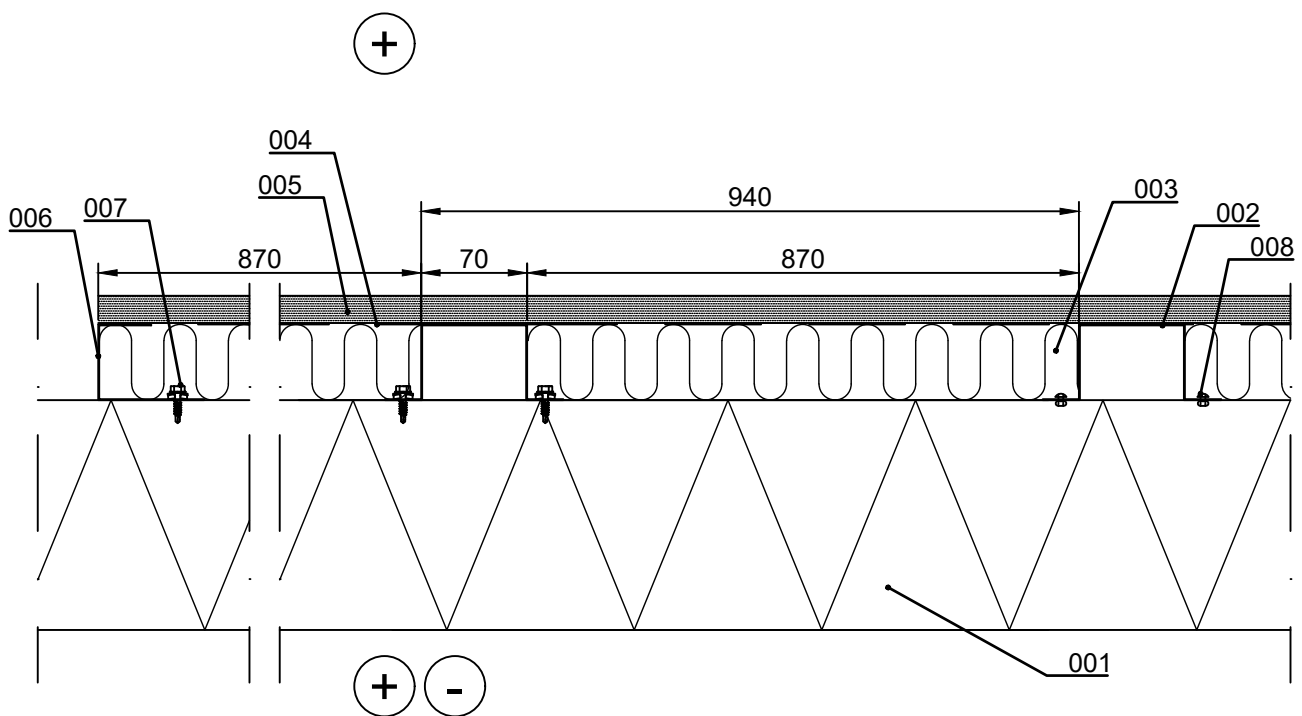


Date 30.09.2022	Rev. date	Work nr.	Drawing nr. AC01-SPA-1E
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Typical sandwich panel sound insulation level is between R_w 29 - 31dB. Panel surfaces are sound reflective in nature without sound absorption. Added sound absorption layer increase sandwich panel sound insulation property as well. Amount of increased R_w value in dB's is very similar installed with another type of sandwich panel. The sound absorption layer can also be used on partition board wall or ceiling.

SPA150E + 50 mm acoustic structure

acoustic structure	Rw value improvement	Rw
one side	+ 6 dB	36 dB



- 001. Sandwich panel
- 002. H-purlin, h=50 mm t=0,6 mm
- 003. Paroc eXtra F 25kg/m²
- 004. Dark dust cover 80-100 g/m², air permeability 500l/m²
- 005. Any Ruukki Design profile with 30% perforating
- 006. Starting purlin with hidden fixing
- 007. Screw S3H55022L02S4B, c/c 300
- 008. Rivet (e.g. SFS intec ATC-D-3.2x8.0), c/c 300

|| or

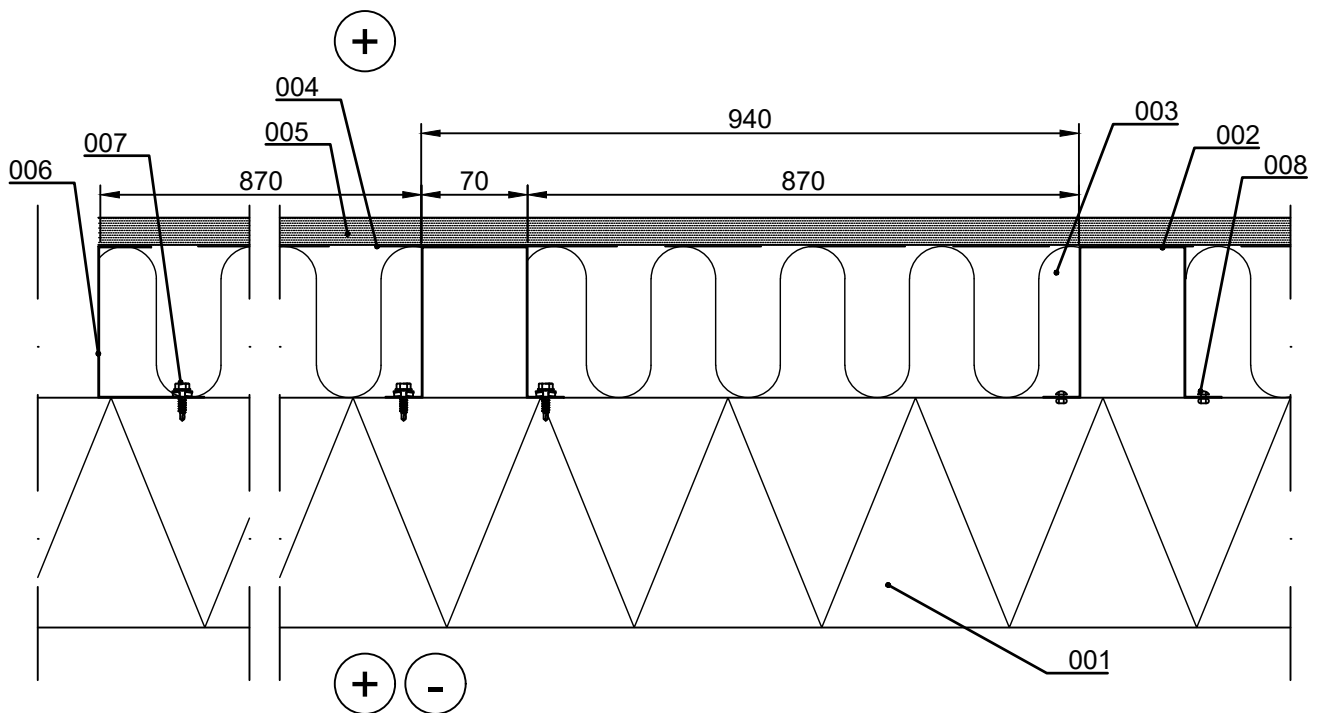
The final execution always according to instructions of the structural designer

Ruukki's delivery

Date 30.09.2022	Rev. date	Work nr.	Drawing nr. AC01-SPA-2E
Drawn by Ruukki	Rev.		
Scale 1:5	Building		File nr.

Typical sandwich panel sound insulation level is between R_w 29 - 31dB. Panel surfaces are sound reflective in nature without sound absorption. Added sound absorption layer increase sandwich panel sound insulation property as well. Amount of increased R_w value in dB's is very similar installed with another type of sandwich panel. The sound absorption layer can also be used on partition board wall or ceiling.

SPA150E + 100 mm acoustic structure		
acoustic structure	R_w value improvement	R_w
one side	+ 10 dB	39 dB
both sides	+ 16 dB	45 dB



- 001. Sandwich panel
- 002. H-purlin, h=100 mm t=0,6 mm
- 003. Paroc eXtra F 25kg/m²
- 004. Dark dust cover 80-100 g/m², air permeability 500l/m²
- 005. Any Ruukki Design profile with 30% perforating
- 006. Starting purlin with hidden fixing
- 007. Screw S3H55022L02S4B, c/c 300
- 008. Rivet (e.g. SFS intec ATC-D-3.2x8.0), c/c 300

|| or

The final execution always according to instructions of the structural designer

Ruukki's delivery