

Generation III ProPanel

Prefabricated External Walls, ProPanel

Sheet 4.9.0.0 - Version 12/12/2022

Performances

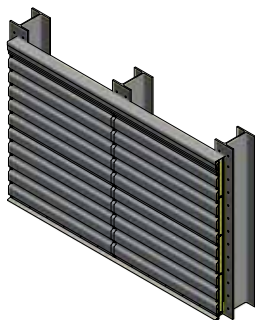
- Blast resistance Up to 1.25 bar (higher pressures upon request).
- Fire resistance A0/A60/H0/H60/H120 in accordance with IMO Resolution MSC.307(88).
Note: fire resistance tested after blast exposure.
- Tightness Suitable for offshore environment - gastight and weathertight.
- Sound insulation 46 - 50 dBA over total.
- Thermal insulation Construction $U = 0.21 \text{ W/m}^2\text{K}$ max.
- Durability Lifetime expectancy of min. 30 years with normal maintenance.
- Weight From 30.1 kg/m^2 (depending on blast load, excl. steel columns).
- Additional options Apart from these standard systems regularly modified types are designed to suit specific project requirements that cannot be met with standard system, such as:
 - impact resistance.
 - jet-fire resistance.

Materials

System build-up:

- 60 mm heavy duty core with min. 0.75 mm coil-coated galvanized steel sheet at both-sides.
- 50 mm insulation package for H60, 2 x 50 mm insulation package for H120.
- External profiled metal skin - galvanized steel sheet thickness min. 0.75 mm provided with a HPS. ultra coil-coating in RAL color or alternatively min. 0.8 mm stainless steel 316L.

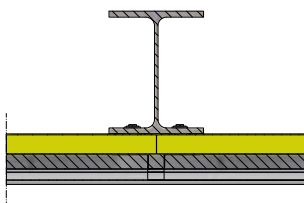
Overview



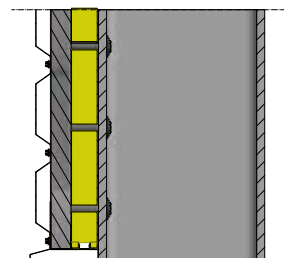
Front view (3D)



Horizontal section



Bottom section



Top section