

# Generation II Welded Walls

Prefabricated External Walls

Sheet 5.3.2.4 - Version 13/06/2022

## Performances

- Fire resistance A0/A60/H0/H60/H120 in accordance with IMO Resolution MSC.307(88). EI60/EI120 in accordance with EN 13501-2. Certified post blast fire resistance available upon request.
- Sound insulation 40 - 55 dBA over total construction.
- Thermal insulation  $U = 0.32 - 0.21 \text{ W/m}^2\text{K}$  maximum.
- Durability Lifetime expectancy of min. 40 years with normal maintenance.

## Main Performances Characteristics<sup>2)</sup>

Technical data	Rating			
	A0/H0	A60	H60-H120	J0-J60
• Weight Complete Wall System (kg/m <sup>2</sup> ) <sup>1)</sup>	25.9	30	34.9	34.9
• Weight PFP (kg/m <sup>2</sup> )	3.9	8.0	12.9	12.9
• Weight Sound Reduction Index $R_w$ (dB)	37	40	43	43
• Integrity & Stability Steel (minutes)	60/120	60	120	120
• Thermal Insulation (minutes)	0	60	60/120	0/120
• Dimension W (mm)	75	65	130	130
• Dimension D (mm)	45-400	45-300	45-400	45-400

1) 0.3 barg and 3.0 m span. Weight including top and bottom border plates

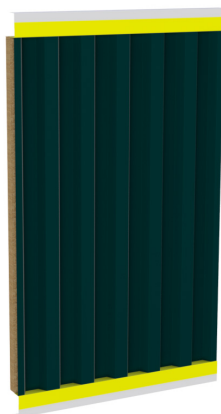
2) System characteristics will be determined based on project specifications

## Materials

The wall is supplied in panel sections of approx. 1000 mm-2000 mm wide, which will be tack welded into position. Full seam welding to steel construction for 100% air-, gas- and water tightness. The external corrugated profile is supplied including borders. Fire rating properties achieved by application of heavy duty insulation cores.

Material carbon steel (blasted, primed and provided with a tie-coat) or stainless steel 316L.

## Overview



Front view (3D)

