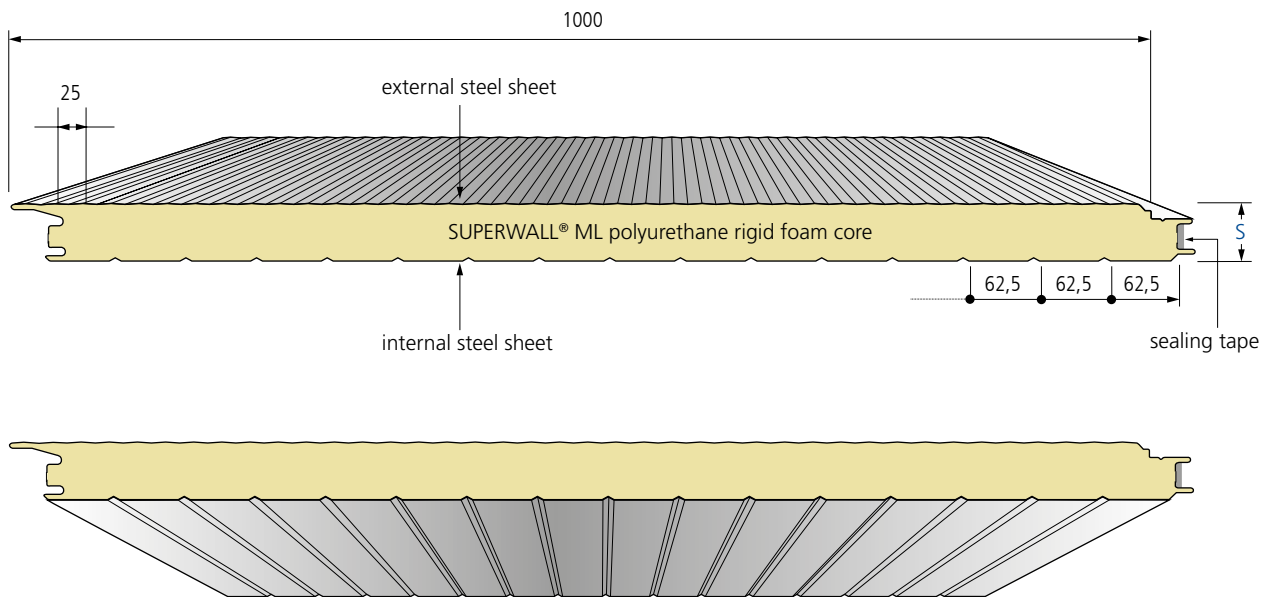
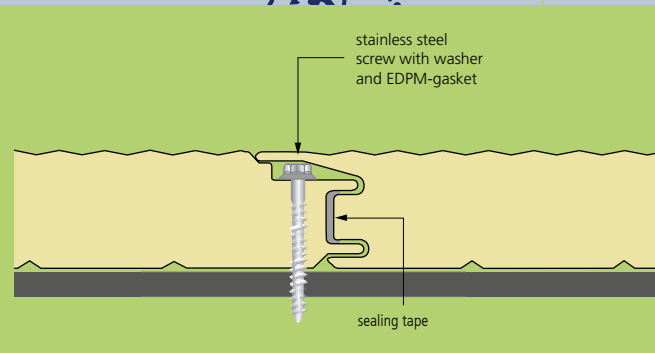




The Superwall® ML sandwich panel with microprofiled external steel sheet and joint-geometry for hidden fixing suits best to meet today's sophisticated requirements for high-quality facades. The shear-resistant connection of the cover sheets together with the compressive strength of the insulation core make large support widths possible for both vertical and horizontal installation. For buildings exposed to high wind suction, horizontal single span installation is recommended as well as the use of visible fixing screws covered by pilaster pro-

files. A non-displaceable sealing strip foamed into the longitudinal joint procures resistance to driving rain and wind. Together with the organic coating of the steel sheets this ensures efficient protection against all kinds of weather. For advanced applications additional coating systems are available. More information is available in the download area www.en.metecno.de.





PRODUCTION AND LABELING

Production according to applicable European Building Product Regulation as per sandwich norm DIN EN 14509 label-marking in accordance with EC certificate of conformity 0769-CPR-VAS-00420

APPLICATION APPROVAL

Current approvals, certificates and general building permits at www.en.metecno.de/service.

REACTION TO FIRE

Building material classified as B-s2,d0 low flammable according to DIN EN 13501-1

THERMAL CONDUCTIVITY

$\lambda = 0.024 \text{ W / m.K}$ according to DIN 4108 and DIN EN 13165 The insulation values are regularly monitored by external bodies and may be applied without any further reduction

SOUND INSULATION

$R_w \geq 25 \text{ dB}$

STANDARD COATING

External steel sheet: 25 μm polyester

Internal steel sheet: $\approx 15 \mu\text{m}$ thin coating (DU)

For standard colours and different coating systems please refer to our colour chart

STANDARD LENGTHS

> 2.00 m to 25.00 m, greater lengths on request

STANDARD STEEL SHEETS

Hot-dip galvanized steel, grade S 320 GD+ Z 275 according to DIN EN 10346

CORROSION PROTECTION

According to DIN EN 10169: External sheet: Class RC3 Internal sheet: Class RC2

According to DIN EN ISO 12944-2:

External sheet: corrosivity category C3 corresponding to average duration of protection for urban and industrial environments with moderate exposure to sulphur dioxide

Internal sheet: corrosivity category C2 for dry indoor rooms and buildings with occasional probability of minor condensation.

Other coating systems are available for more sophisticated demands such as for buildings near the sea, farm buildings with high ammonia exposure or moist rooms

TABLE OF SPANS

Please visit our website www.en.metecno.de

PACKAGING

External sheet provided with removable protective film, panel packages wrapped with banded plastic foil to protect from soiling

INTERLOCKING JOINT COMPATIBILITY WITH METFIBER® ECO HF WALL & SUPERWALL® HF

type of element	core thickn. s	external steel sheet tn	internal steel sheet tn	weight kg / m ²	thermal resistance R m ² K / W	thermal conductivity (Ψ – joint effect)	
						U w/o Ψ W / m ² K	U with Ψ W / m ² K
SUPERWALL® ML	60	0,60	0,45	11,8	2,46	0,400	0,442
	80	0,60	0,45	12,6	3,29	0,300	0,317
	100	0,60	0,45	13,4	4,12	0,240	0,250
	120	0,60	0,45	14,2	4,96	0,200	0,207
	150	0,60	0,45	15,4	6,20	0,160	0,164
	160*	0,60	0,45	15,8	6,63	0,147	0,150

* approval pending

