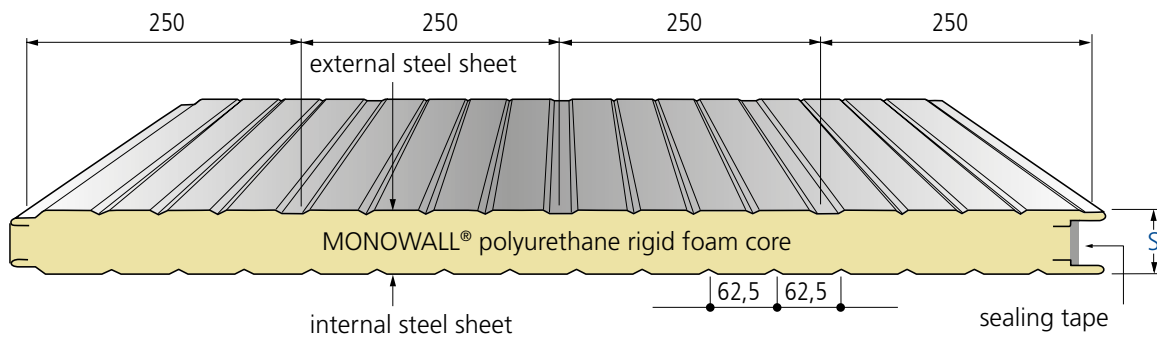



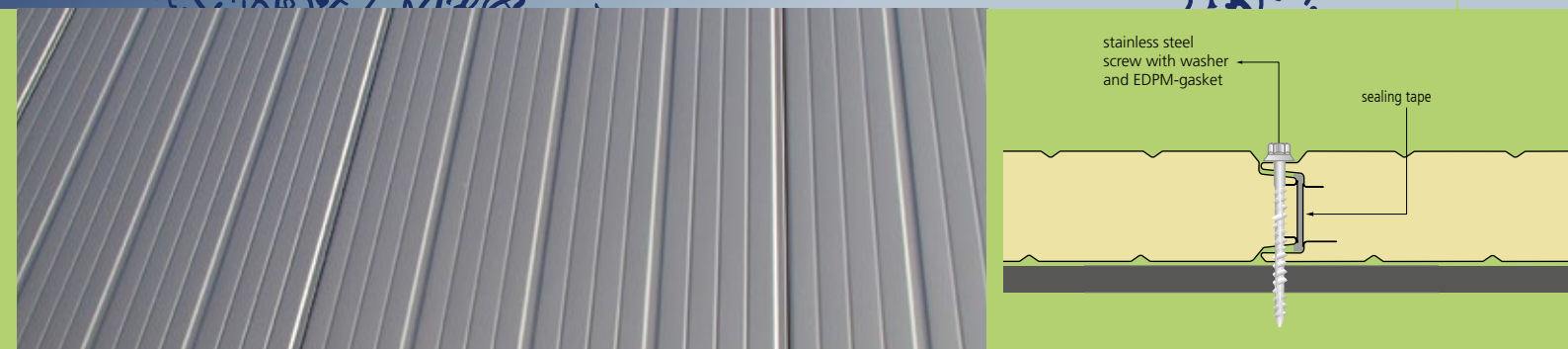
The Monowall® panel with polyurethane insulation core is suitable for both vertical and horizontal installation. Its special surface profile facilitates the installation of the panel without the risk of bulging. The appearance of the external side benefits distinctly from the screw head applied in the recess of the profile.

A non-displaceable longitudinal sealing strip produces a joint resistant to driving rain and wind. The organic coating of the steel sheet ensures efficient protection against all kinds of weather. Additional coating systems are available for advanced application. More information is available in the download area www.en.metecno.de.



different internal profiles on request, dimensions in mm

type of element	core thickn. s mm	external steel sheet t _N mm	Internal steel sheet t _N mm	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
 MONOWALL®	40	0,60	0,45	10,7	1,62	0,606	0,643
	50	0,60	0,45	11,1	2,04	0,504	0,531
	60	0,60	0,45	11,5	2,46	0,402	0,415
	80	0,60	0,45	12,3	3,29	0,301	0,308
	100	0,60	0,45	13,1	4,12	0,241	0,245
	120	0,60	0,45	13,9	4,96	0,201	0,204



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

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

STANDARD STEEL SHEETS

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

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

