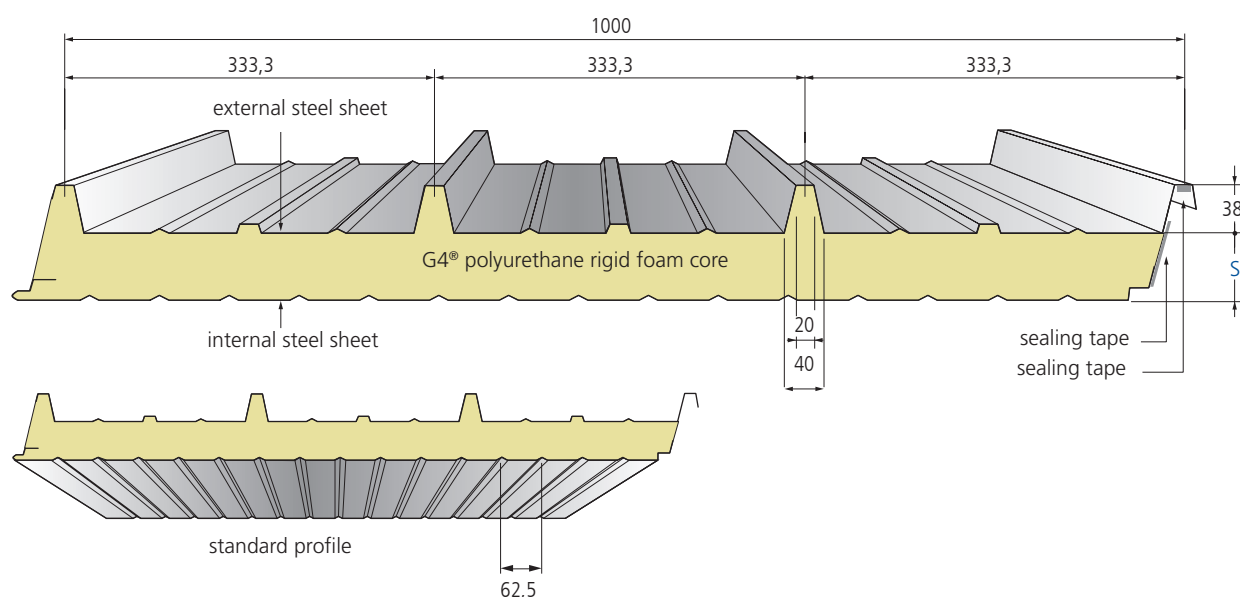


This sandwich panel with highly heat-insulating CFC- and HCFC-free polyurethane rigid foam core is suited best for today's requirements for thermal insulation and moisture protection. Besides that it may also be used as a visual design element for facades. The sloped element joint with integrated sealing closes during installation without any additional working steps. Thus, one single operation produces a reliable connection without any thermal bridge.

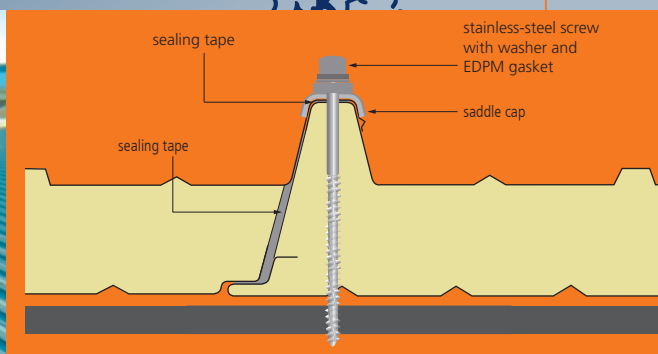
The G4® panel ensures a very high installation speed and is therefore THE product of choice for many professional installation companies. The optional stucco-embossing on the internal steel sheet reduces the mirror effect on the surface. Depending on the application, a minimum roof slope of 5° is recommended. For additional information please refer to our detailed technical manual.



type of element	core thickn. s	total-thickn. D	external steel sheet t _N	internal steel sheet t _N	weight kg / m ²	thermal resistance R	thermal conductivity [ψ – joint effect]	
							U without ψ	U with ψ
	mm	mm	mm	mm	kg / m ²	m ² K / W	W / m ² K	W / m ² K
G4®	30	68	0,60	0,45*	11,1	1,21	0,773	0,798
	40	78	0,60	0,45*	11,5	1,62	0,584	0,598
	50	88	0,60	0,45*	11,9	2,04	0,489	0,499
	60	98	0,60	0,45*	12,3	2,46	0,393	0,399
	80	118	0,60	0,45*	13,1	3,29	0,296	0,299
	100	138	0,60	0,45*	13,9	4,12	0,237	0,240
	120	158	0,60	0,45*	14,7	4,96	0,198	0,199
	150	188	0,60	0,45*	15,9	6,20	0,159	0,160

*with stucco-embossing (also available without stucco)





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-00420-1

APPROVAL

DIBt-APPROVAL Z-10.49-516,
valid until November 20, 2019
and Z-10.4-583 (for self-supporting sandwich elements
valid until April 17, 2024

REACTION TO FIRE

Building material classified as B-s3,d0 low flammable according to DIN EN 13501-1 G4® roof panels are rated as "hard roofing" - resistant to airborne fire and radiating heat according to DIN EN 14509

THERMAL CONDUCTIVITY

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

SOUND INSULATION

$R_w = 25 \text{ dB}$

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

Tested 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 refer to our planning folder or visit our website www.metecno.de

PACKAGING

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

