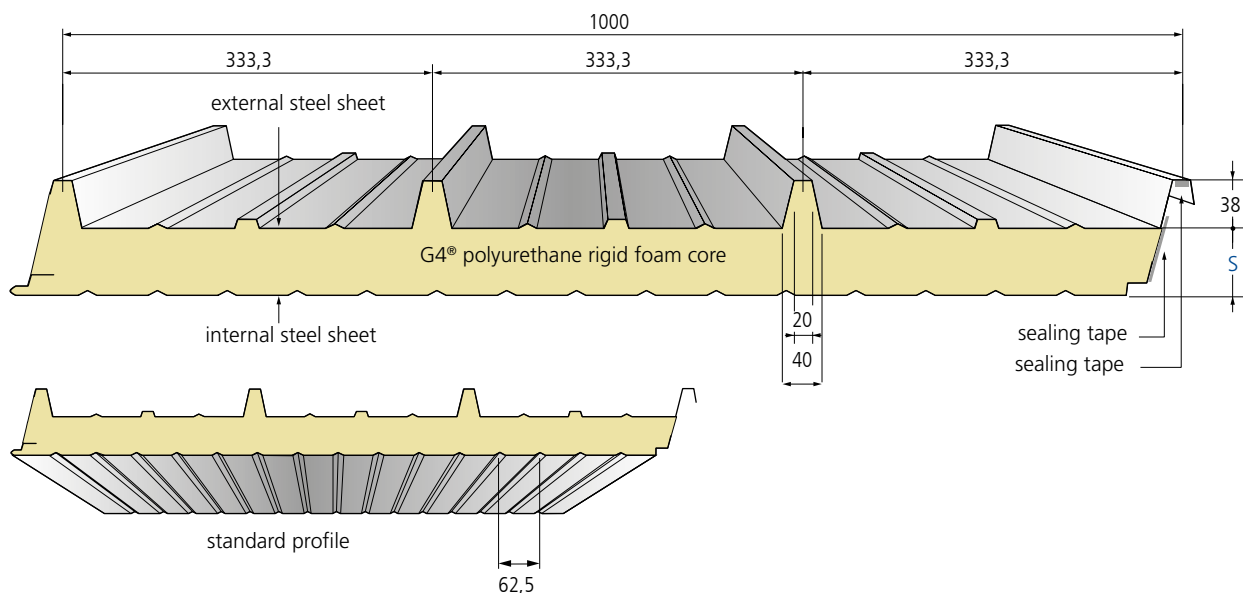




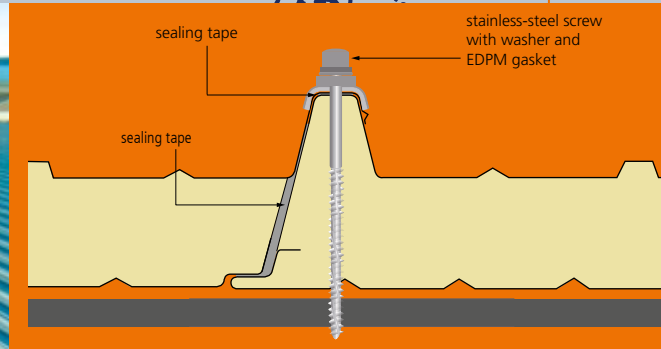
This sandwich panel with highly heat-insulating CFC- and HCFC-free polyurethane rigid foam core is suited best for today's requirements for thermal insulation and moisture protection. Besides that it may also be used as a visual design element for facades. The sloped element joint with integrated sealing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

mal bridge. The G4® panel ensures a very high installation speed and is therefore THE product of choice for many professional installation companies. Depending on the application, a minimum roof slope of  $\geq 5^\circ$  is recommended. More information is available in the download area [www.en.metecno.de](http://www.en.metecno.de).



type of element	core thickn. s	total-thickn. D	external steel sheet t <sub>N</sub>	internal steel sheet t <sub>N</sub>	weight	thermal resistance R	thermal conductivity	
							U without $\psi$	U with $\psi$
	mm	mm	mm	mm	kg / m <sup>2</sup>	m <sup>2</sup> K / W	W / m <sup>2</sup> K	W / m <sup>2</sup> 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





### 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](http://www.en.metecno.de/service).

### REACTION TO FIRE

Building material classified as B-s2,d0 low flammable according to DIN EN 13501-1 and DIN 18234 G4@ roof panels are rated as "hard roofing" - resistant to airborne fire and radiating heat according to DIN EN 14509  
Approval for d=100 according DIN 18234-1 structural fire protection of large-scale roofs

### THERMAL CONDUCTIVITY

$\lambda = 0.024 \text{ W / m.K}$  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

$R_w \geq 25 \text{ dB}$

### STANDARD COATING

External steel sheet: 25  $\mu\text{m}$  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

### NON-PENETRATIVE PHOTOVOLTAIC MOUNTING

Fixation of new/modified solar fasteners (Clamp Fit, Single Fix-V) on G4-roof panels with continuous core thickness  $\geq 40 \text{ mm}$  as certified all-in-one system with general approval "allgemeiner Bauartgenehmigung (Z-10.4-583)"

### 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 visit our website [www.en.metecno.de](http://www.en.metecno.de)

### PACKAGING

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

