Thermoformed insulation panel with graphite - P105SG



Description

Thermoformed insulating panel in sintered expanded polystyrene EPS 500 with graphite additive. 0,030 W/mK thermal conductivity, CE marked in compliance with EN 13163 standard, Completed with thermoformed laminate shell with a thickness of 600 microns and 22 mm embossed relief.

It is suitable for pipes with 16 mm and 17 mm external diameter; it has multiple circuits with 50 mm pitch and overlapping edges to joint the panels firmly.



Technical performance

Characteristics	Code EN 13163	Technical regulation	Unit of measure	88P105SG3099	88P105SG5099
Insulating base thickness	-	-	mm.	10	30
Knob height	-	-	mm.	22	22
Total panel height	-	-	mm.	32	52
EPS class				500	
Coating sheets thickness - HIPS	-	-	hw	600	
Pipe laying pitch	-	-	mm.	50	
Thermal conductivity	$\lambda_{\scriptscriptstyle D}$	EN 12667	W/mK	0,03	0,03
Weighted thermal resistance	R _D	EN 12667	m²K/W	0,50	1,16
Compressive strength for a deformation of 10%	CS(10)500	UNI EN 826	kPa	500	
Long-term water absorption by immersion	WL(T)	UNI EN 12087	% by volume	4	
Reaction to fire	-	ISO 11925-2	EUROCLASSE	Е	
Water vapour resistance factor	-	UNI EN 8054	h	10.000	
Operation limit temperature	-	-	°C	-30/+80	

Dimensions and packaging

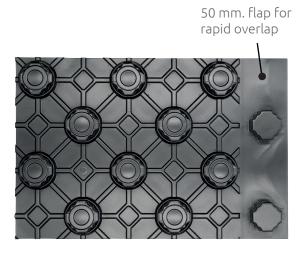
	Unit of measure	88P105SG3099	88P105SG5099	
Panel dimensions	mm.	1400x800		
Box dimensions	mm.	1450x850		
Net panel surface	m²	1,12		
Pieces per package	-	22	12	
m² per package	-	24,64	13,44	

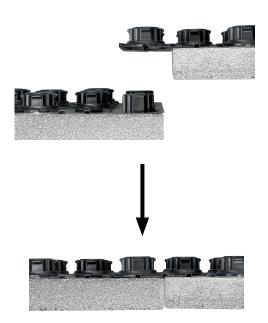
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Panel coupling

The P105SG panel is characterized by a perimetral coupling with a male-female overlap, which enables a stable, secure and hermetic fit from a possible infiltration of self-levelling screeds, thus avoiding thermal bridges.





Certifications

ATTENTION: The P105 panel is not certified CAM (Minimum Environmental Criteria). To request the CAM certified panel, contact us at the following e-mail address: utecom@icmaspa.it