

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	-	-	μm	600	
Pipe laying pitch	-	-	mm.	50	
Thermal conductivity	λ_D	EN 12667	W/mK	0,03	0,03
Weighted thermal resistance	R_D	EN 12667	m ² K/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	E	
Water vapour resistance factor	-	UNI EN 8054	μ	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	m ²	1,12	
Pieces per package	-	22	12
m ² 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