DRYVIT EPS

DS. 00.06.4406

Expanded Polystyrene (EPS)

TECHNICAL DATA

TEST TYPE	TEST METHOD	TEST CRITERIA	TEST RESULT
Compressive stress (10 % strain)	PN-EN 826	70 kPa	average 78 kPa
Thermal conductivity factor λ [W/mK]	PN-EN 12667	0,040 W/mK	average 0,038 W/mK
Reaction to fire	PN-EN 13501-1	Class E	Class E
Resistance to bending	PN-EN 12089	115 kPa	average 135 kPa
Tension resistance			
(perpendicular to front surfaces)	PN-EN 1607	100 kPa	average 123 kPa
Resistance to tearing [MPa]*			
after conditioning		≥ 0,08	average 0.12
after water		≥ 0,03	average 0.16
after water and drying		≥ 0,08	average 0.14
Water diffusion resistance factor	EN 12086	20 – 40	pass
Vapour permeability factor			
[mg/(Pa∗h∗m)]		0,018 – 0,036	pass
Minimum density [kg/m³], no less than:		15	> 15
Acceptable dimensions tolerance	PN-EN 822		
Length		max ±2 mm	±1,0 mm
Width		max ±2 mm	±0,5 mm
Acceptable dimensions tolerance	PN-EN 823		
Thickness		max ±1,0 mm	max ±0,5 mm
Acceptable dimensions tolerance	PN-EN 825		
Flatness tolerance		max 10 mm	max 2 mm
Acceptable dimensions tolerance	PN-EN 824		
straight angle tolerance		max ±5mm/1000 mm	0 mm

** Tested accordingly to ETAG 004, p.5.1.4.1.3. Adhesion of adhesive layer to thermal insulation (EPS boards), with an adhesive DRYHESIVE PLUS*

FEATURES & BENEFITS

	FEATURE	BENEFIT
1	Thermal insulating	Saving of heating/cooling energy
2	Non toxic	Worker, end-user & environmentally friendly
3	Self extinguishing	Increased fire protection
4	Lightweight	Easy to handle and install

Product Description:
EPS (thermal insulation boards) are a type of expanded polystyrene produced by the polystyrene foaming technology.

EPS boards are used as thermal insulation boards in the Dryvit Outsulation, Outsulation M, Outsulation SLK, Drysulation, Infinity Residential systems as well as prefabricated Metalite, Conventional and Fedderlite panels.
They can also be used for the execution of architectural details.

Dryvit EPS board physical traits should meet PN-EN-13163:2004 for EPS type 70 boards and EPS 70-040 FASADA type goods for PN-B-20132.

dryvit®

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USES

Board intended for use in Dryvit exterior insulation and finish systems (EIFS).

SUBSTRATE PREPARATION

The surface has to be clean, dry, well bonded and free of efflorescence, grease, oil and form release agents and curing compounds.

APPLICATION METHOD

An adhesive has to be placed on EPS insulation boards using the “frame and dabs” method (frame: approximately 5 cm width, by approximately 1 cm thick; 6 dabs inside the frame). Place the EPS board on the substrate, ensuring that no adhesive mixture gets into the board joints. The gaps between the boards have to be filled in with EPS insulation material.

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June 2006