



Expert White EPS Thermal Insulation Board

Expert White EPS Thermal Insulation Board is a polystyrene-based thermal insulation board produced in accordance with TS EN 13163 – EPS Product Manufacturing and TS EN 13499 Thermal Insulation System standards.

FEATURES

- Thermal conductivity coefficient, $\lambda_D = 0.040$ W/mK.
- Has high water vapor permeability ($\mu = 20-40$). Greatly reduces moisture, dampness, and mold formation in buildings.
- Sufficient strength to withstand all mechanical loads in buildings. Prevents cracks in plaster, paint, and coatings caused by expansion, contraction, and wall movement.
- After production, it is cured according to standards to achieve ideal dimensional stability, ensuring no deformation over time.

STORAGE

Should be stored in a cool, ventilated area, protected from direct sunlight, and kept separate from solvents, thinners, and similar products.

SPECIFICATIONS	DECLARATION	UNIT	CLASS	STANDART
Thermal Conductivity Coefficient (λ)	0,040	W/mK	-	TS EN 12667
Thermal Resistance (R)	0,50-3,75	m ² K/W	-	-
Tensile Strength Perpendicular to the Surfaces	≥ 100	kPa	TR 100	TS EN 1607
Compressive Strength at 10% Deformation	≥ 60	kPa	CS(10)60	TS EN 826
Length Tolerance	± 2	mm	L2	TS EN 822
Width Tolerance	± 2	mm	W2	TS EN 822
Thickness Tolerance	± 1	mm	T1	TS EN 823
Size/Angle Tolerance	± 2	mm/m	Sb2	TS EN 824
Surface Smoothness	± 5	mm	P5	TS EN 13163
Dimensional Stability				
At 23°C, 50% Relative Humidity	$\pm 0,2$	-	DS(N)2	TS EN 1603
48 hours at 70°C, 50% Relative Humidity	%1	-	DS(70,-)1	TS EN 1604
Long Term Water Absorption	≤ 5	-	WL(T)5	TS EN 12087
Water Vapor Diffusion Resistance	20-40	μ	-	TS EN 12086
Fire Endurance	Hard to inflame	-	B-s1,d0	TS EN 13501-1
		-	E	TS EN 13501-1
Usage Temperature	(-50)/75	°C	-	-
Packaging	PE film	-	-	-
Dimensions	50x100	cm	-	-
Thickness	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	cm	-	-



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