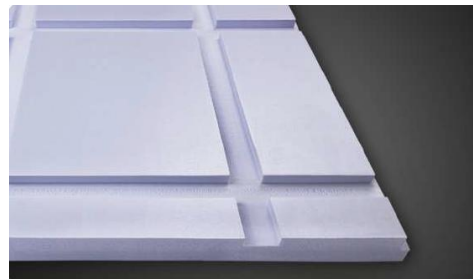




X- FOAM EASY TEGOLA

EXTRUDED POLYSTYRENE BOARD

[XPS - without HCFC - without HFC]



X-FOAM® EASY TEGOLA is a thermal insulation board for under-tile roofs, made of yellow extruded polystyrene, with an extrusion skin and four rebated edges. The boards have two longitudinal grooves on the extrados surface for microventilation and transverse grooves designed to accommodate the interlocking of the tile teeth. They are 630 mm wide and available in thicknesses from 40 to 120 mm, with a compressive strength of ≥ 300 kPa. The latter are classified as EUROCLASS E fire-resistant according to EN 13501. The depth of the grooves is 15 mm. **X-FOAM EASY TEGOLA** is certified to the Minimum Environmental Criteria (CAM).

APPLICATION WITH X-FOAM® HBD: insulation of pitched roofs with tile attachment



CHARACTERISTIC	STANDARD	UNIT	VALUES
Thicknesses	EN 823	mm	40 - 120
Tolleranza spessore Spessore 40 mm Spessori da 50 mm a 120 mm	EN 823 EN 13164	mm	T2 -2/+2 -2/+2
Length	EN 822	mm	VARIABILE in funzione del passo tegola
Width	EN 822	mm	630
Length (l) and width (b) tolerances	EN 13164 EN 822	mm	$l \text{ o } b \leq 1500$: +/- 8 $l \text{ o } b > 1500$: +/- 10
Orthogonality tolerance (Sb)	EN 824 EN 13164	mm/m	5
Flatness tolerance (Smax)	EN 825 EN 13164	mm/m	6
Density		kg/m ³	31 +/- 10%
Specific heat		J/kgK	1450

CHARACTERISTIC	STANDARD	UNIT	VALUES	
Thermal conductivity (λ_D) and Thermal resistance (R_D)			λ_D	R_D
Spessore 40 mm	EN 13164 EN 12667	λ_D : W/mK R_D : m ² K/W	0,032	1,25
Spessore 50 mm	EN 13164 EN 12667	λ_D : W/mK R_D : m ² K/W	0,033	1,82
Spessore 60 mm	EN 13164 EN 12667	λ_D : W/mK R_D : m ² K/W	0,034	2,35
Spessore 80 mm	EN 13164 EN 12667	λ_D : W/mK R_D : m ² K/W	0,034	2,94
Spessore 100 mm	EN 13164 EN 12667	λ_D : W/mK R_D : m ² K/W	0,035	3,43
Spessore 120 mm	EN 13164 EN 12667	λ_D : W/mK R_D : m ² K/W	0,035	3,43
Compressive stress at 10 % deformation	EN 826	kPa	$\geq 300 - CS(10/Y)300$	
Dimensional stability at 70° C and 90% UR. Changes in thickness, length and width	EN 1604	%	$\leq 5 - DS(70,90)$	
Deformation behavior. Condition test 70° C, 168 h, 40 kPa	EN 1605	%	$\leq 5 - DLT(2)5$	
Water absorption by immersion (28 days)	EN 12087	Vol %	$\leq 0,7 - WL(T)0,7$	
Water absorption by diffusion (28 days)	EN 12088	Vol %	$\leq 3\% - WD(V)3 \text{ sp.} < 60$ $\leq 2\% - WD(V)2 \text{ sp.} 60$ $\leq 1\% - WD(V)1 \text{ sp.} > 60$	
Resistance to water vapor diffusion (μ) Th. 30 mm Th. 40 mm to 100 mm	EN 12086		MU 100	
Frost behavior (freeze - thaw alternation) after water absorption by long-term diffusion	EN 12091	Vol %	$\leq 1 - FTCD1$	
Reaction to fire	EN 13501-1	Euroclasse	E	
Limit temperature of use		°C	+75	
Closed cell average		%	> 96	
VOC (Volatile Organic Compounds)	EN 16516 / ISO 16000	Class/Protocol	A+, Leed, Well, Breeam	