


X-FOAM[®] EASY TEGOLA

EXTRUDED POLYSTYRENE PANEL (XPS) [WITHOUT HCFC - WITHOUT HFC]

CHARACTERISTICS	STANDARD	UNIT	VALUES			
SIZE						
Thickness	EN 823	mm	40 - 120			
Thickness tolerance class (T1)	EN 823 EN 13164	mm	Thickness 40 mm -2 /+2			
Thickness from 50 mm to 120 mm			-2 /+3			
Length	EN 822	mm	Variable			
Width	EN 822	mm	630			
TYPE FINISH						
L - edges		Panel with skin surface and grooves				
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE						
Declared thermal conductivity	EN 13164 EN 12667	W/mK	Thickness 40 mm 0,033			
Thickness from 50 mm to 60 mm			0,034			
Thickness from 80 mm to 100 mm			0,035			
Thickness from 120 mm			0,036			
Thermal resistance (EN 13164)						
Thickness (mm):	40	50	60	80	100	120
Thermal resistance (m ² K/W):	1,20	1,45	1,75	2,25	2,85	3,30
COMPRESSIVE STRESS AT 10% DEFORMATION - σ_{10}						
Compressive strength	EN 826	kPa	≥ 200			
Thickness from 25 mm to 100 mm						
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS						
Condition test: (48±1) hours, (70±2)°C and (90± 5)% U.R.	EN 1604	%	≤ 5			
Changes in thickness, length and width						
DEFORMATION BEHAVIOR						
Test condition: 70°C, 168 hours, 40 kPa	EN 1605	%	≤ 5			
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)						
Thickness from 40 mm to 120 mm	EN 12087	Vol. %	≤ 0,7			
WATER ABSORPTION BY DIFFUSION (28 DAYS)						
Thickness from 40 mm to 50 mm	EN 12088	Vol. %	≤ 5			
Thickness from 60 mm to 120 mm			≤ 3			
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)						
Thickness from 40 mm to 120 mm	EN 12086		100			
FREEZE - THAW RESISTANCE						
Thickness from 40 mm to 120 mm	EN 12091	Vol. %	≤ 1			
REACTION TO FIRE						
Reaction to fire	EN 13501-1	Euroclass	E			
TEMPERATURE LIMIT USE						
Temperature limit use		° C	+ 75			