


POLIISO® ECO

Polyisocyanurate rigid foam (PIR) panels faced, both sides, with a Kraft paper

CHARACTERISTIC	STANDARD	UNIT	VALUES			
DIMENSIONS						
Thickness	EN 29466	mm	30 - 100			
Thickness tolerance class (T2)						
Thickness < 50 mm	EN 29466	mm	-2 /+2			
Thickness from 50 mm to 70 mm	EN 13165		-3 /+3			
Thickness > 70 mm			-3 /+5			
Length	EN 29465	mm	1200			
Width	EN 29465	mm	600			
FINISHING						
Straight edges						
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE						
Declared thermal conductivity						
Thickness from 30 mm to 40 mm	EN 13165 EN 12667	W/mK	0,027			
Thickness from 50 mm to 80 mm			0,026			
Thickness 100 mm			0,025			
Declared thermal resistance (EN 13165)						
Thickness (mm):	30	40	50	60	80	100
Thermal resistance (m ² K/W):	1,10	1,50	1,90	2,30	3,10	4,00
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}						
Thickness from 30 mm to 100 mm	EN 29469	kPa	≥ 100			
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - σ_2						
Thickness from 30 mm to 100 mm	EN 1606	kPa	≥ 40			
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS						
Condition test: (48 \pm 1) hours, (70 \pm 2)°C e (90 \pm 5)% U.R.						
Thickness change	EN 1604	%	≤ 6			
Change in length and width			≤ 2			
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)						
Thickness from 30 mm to 100 mm	EN 16535	Vol. %	≤ 2			
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)						
Thickness from 30 mm to 100 mm	EN 12086		30 - 50			
REACTION TO FIRE						
Reaction to fire	EN 13501-1	Euroclass	F			

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