


POLIISO® PLUS

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

CHARACTERISTIC	STANDARD	UNIT	VALUES								
DIMENSIONS											
Thickness	EN 29466	mm	20 - 140								
Thickness tolerance class (T2) Thickness < 50 mm Thickness from 50 mm to 70 mm Thickness > 70 mm	EN 29466 EN 13165	mm	-2 /+2 -3 /+3 -3 /+5								
Length	EN 29465	mm	1200 (or 3000)								
Width	EN 29465	mm	600 (or 1200)								
FINISHING											
Straight edges											
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE											
Declared thermal conductivity Thickness from 20 mm to 140 mm	EN 13165 EN 12667	W/mK	0,022								
Declared thermal resistance (EN 13165)											
Thickness (mm):	20	30	40	50	60	70	80	90	100	120	140
Thermal resistance (m ² K/W):	0,90	1,35	1,80	2,25	2,70	3,15	3,60	4,05	4,50	5,45	6,35
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}											
Thickness from 20 mm to 140 mm	EN 29469	kPa	≥ 150								
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING $\leq 2\%$ - σ_2											
Thickness from 20 mm to 140 mm	EN 1606	kPa	≥ 50								
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS											
Condition test: (48 \pm 1) hours, (70 \pm 2) $^{\circ}$ 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 20 mm to 140 mm	EN 16535	Vol. %	≤ 1								
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)											
Dimension 600 x 1200 mm	EN 12086		125								
Dimension 1200 x 3000 mm			∞								
REACTION TO FIRE											
Reaction to fire	EN 13501-1	Euroclass	F								

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