


POLIISO® EXTRA

Polyisocyanurate rigid foam (PIR) panels faced, both sides, with an aluminum multilayer

CHARACTERISTIC	STANDARD	UNIT	VALUES									
DIMENSIONS												
Thickness	EN 29466	mm	20 - 160									
Thickness tolerance class (T2)	EN 29466 EN 13165	mm	Thickness < 50 mm									
			Thickness from 50 mm to 70 mm									
			Thickness > 70 mm									
Length	EN 29465	mm	1200									
Width	EN 29465	mm	600									
FINISHING												
Straight edges												
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE												
Declared thermal conductivity	EN 13165 EN 12667	W/mK	0,022									
Thickness from 20 mm to 160 mm												
Declared thermal resistance (EN 13165)												
Thickness (mm):	20	30	40	50	60	70	80	90	100	120	140	160
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	7,25
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}												
Thickness from 20 mm to 160 mm	EN 29469	kPa	≥ 150									
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING $\leq 2\%$ - σ_2												
Thickness from 20 mm to 160 mm	EN 1606	kPa	≥ 50									
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS												
<u>Condition test: (48 ± 1) hours, (70 ± 2)°C e (90 ± 5)% U.R.</u>												
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 160 mm	EN 16535	Vol. %	≤ 1									
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)												
Thickness from 20 mm to 160 mm	EN 12086		∞									
REACTION TO FIRE												
Reaction to fire	EN 13501-1	Euroclass	E									

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