


POLIISO® AD

Polyisocyanurate rigid foam (PIR) panels faced, both sides, with embossed aluminium 50 µm of thick

CHARACTERISTIC	STANDARD	UNIT	VALUES							
DIMENSIONS										
Thickness	EN 29466	mm	20 - 160							
Thickness tolerance class (T2)	EN 29466 EN 13165	mm	Thickness < 50 mm -2 /+2							
Thickness from 50 mm to 70 mm			-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	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	80	100	120	140	160
Thermal resistance (m ² K/W):	0,90	1,35	1,80	2,25	2,70	3,60	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 ≤ 2 % - σ_2										
Thickness from 20 mm to 160 mm	EN 1606	kPa	≥ 50							
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS										
Condition test: (48 ± 1) hours, (70 ± 2)°C e (90 ± 5)% U.R.										
Thickness change	EN 1604	%	≤ 4							
Change in length and width			≤ 1							
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE										
Condition test: (48 ± 1) hours, (-20 ± 3)°C										
Thickness change	EN 1604	%	≤ 2							
Change in length and width			≤ 0,5							
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							