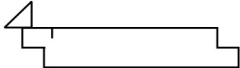


POLIISO® TEGOLA

THERMAL INSULATION PANEL MADE OF RIGID, CLOSED-CELL "PIR" FOAM,
EXPANDED BETWEEN TWO EMBOSSED ALUMINIUM SUPPORTS OF 50 µm

CHARACTERISTIC	STANDARD	UNIT	VALUES
DIMENSIONS			
Thickness	EN 29466	mm	60 - 140
Thickness tolerance class (T2) Thickness 60 mm Thickness from 80 mm to 140 mm	EN 29466 EN 13165	mm	-3 /+3 -3 /+5
Length	EN 29465	mm	2400
Width	EN 29465	mm	from 315 mm to 485 mm
FINISHING			
L - edges			
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE			
Declared thermal conductivity Thickness from 60 mm to 140 mm	EN 13165 EN 12667	W/mK	0,022
Declared thermal resistance (EN 13165)			
Thickness (mm):	60	80	100
Thermal resistance (m ² K/W):	2,70	3,60	4,50
	120	140	5,45
			6,35
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}			
Thickness from 60 mm to 140 mm	EN 29469	kPa	≥ 150
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - σ_2			
Thickness from 60 mm to 140 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	%	≤ 6
Change in length and width			≤ 2
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE			
Condition test: (48 ± 1) hours, (-20 ± 3)°C			
Thickness change	EN 1604	%	≤ 2
Change in length and width			≤ 1
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)			
Thickness from 60 mm to 140 mm	EN 16535	Vol. %	≤ 1
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)			
Thickness from 60 mm to 140 mm	EN 12086		∞
REACTION TO FIRE			
Reaction to fire	EN 13501-1	Euroclass	E