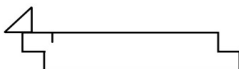


# POLIISO® TEGOLA

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

CHARACTERISTIC	STANDARD	UNIT	VALUES		
<b>DIMENSIONS</b>					
Thickness	EN 823	mm	60 - 140		
Thickness tolerance class (T2)	EN 823 EN 13165	mm	Thickness 60 mm -3 /+3		
Thickness from 80 mm to 140 mm			-3 /+5		
Length	EN 822	mm	2400		
Width	EN 822	mm	from 315 mm to 485 mm		
<b>FINISHING</b>					
L - edges					
<b>THERMAL CONDUCTIVITY AND THERMAL RESISTANCE</b>					
Declared thermal conductivity	EN 13165 EN 12667	W/mK	0,022		
Thickness from 60 mm to 140 mm					
Declared thermal resistance (EN 13165)					
Thickness (mm):	60	80	100	120	140
Thermal resistance (m <sup>2</sup> K/W):	2,70	3,60	4,50	5,45	6,35
<b>COMPRESSIVE STRESS AT 10 % DEFORMATION - <math>\sigma_{10}</math></b>					
Thickness from 60 mm to 140 mm	EN 826	kPa	≥ 150		
<b>COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - <math>\sigma_2</math></b>					
Thickness from 60 mm to 140 mm	EN 1606	kPa	≥ 50		
<b>DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS</b>					
Condition test: (48 ± 1) hours, (70 ± 2)°C e (90 ± 5)% U.R.	EN 1604	%	≤ 6		
Thickness change					
Change in length and width				≤ 2	
<b>DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE</b>					
Condition test: (48 ± 1) hours, (-20 ± 3)°C	EN 1604	%	≤ 2		
Thickness change					
Change in length and width				≤ 1	
<b>LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)</b>					
Thickness from 60 mm to 140 mm	EN 12087	Vol. %	≤ 1		
<b>WATER VAPOUR DIFFUSION RESISTANCE FACTOR (<math>\mu</math>)</b>					
Thickness from 60 mm to 140 mm	EN 12086		∞		
<b>REACTION TO FIRE</b>					
Reaction to fire	EN 13501-1	Euroclass	E		