


POLIISO® VV

Polyisocyanurate rigid foam (PIR) panels faced, both sides, with a glass veil

CHARACTERISTIC	NORM	UNIT	VALUES								
DIMENSIONS											
Thickness	EN 823	mm	20 - 140								
Thickness tolerance class (T2)	EN 823 EN 13165	mm	Thickness < 50 mm								
Thickness from 50 mm to 70 mm			-2 /+2								
Thickness > 70 mm			-3 /+3								
Length	EN 822	mm	1200								
Width	EN 822	mm	600								
FINISHING											
Straight edges											
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE											
Declared thermal conductivity	EN 13165 EN 12667	W/mK	Thickness from 20 mm to 70 mm								
Thickness from 80 mm to 100 mm			0,028								
Thickness from 120 mm to 140 mm			0,026								
Declared thermal resistance (EN 13165)											
Thickness (mm):	20	30	40	50	60	70	80	90	100	120	140
Thermal resistance (m ² K/W):	0,70	1,05	1,40	1,75	2,10	2,50	3,05	3,45	3,80	4,80	5,60
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}											
Thickness from 20 mm to 140 mm	EN 826	kPa	≥ 150								
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - σ_2											
Thickness from 20 mm to 140 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>	EN 1604	%	Thickness change								
Change in length and width			≤ 4								
Change in length and width			≤ 1								
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)											
Thickness from 20 mm to 140 mm	EN 12087	Vol. %	≤ 2								
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)											
Thickness from 20 mm to 140 mm	EN 12086		30 - 50								
REACTION TO FIRE											
Reaction to fire	EN 13501-1	Euroclass	E								