


POLIISO® VV HD

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

CHARACTERISTIC	NORM	UNIT	VALUES							
DIMENSIONS										
Thickness	EN 823	mm	30 - 140							
Thickness tolerance class (T2)	EN 823 EN 13165	mm	Thickness < 50 mm -2 /+2							
Thickness from 50 mm to 70 mm			-3 /+3							
Thickness > 70 mm			-3 /+5							
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 0,028							
Thickness from 80 mm to 100 mm			0,026							
Thickness from 120 mm to 140 mm			0,025							
Declared thermal resistance (EN 13165)										
Thickness (mm):	30	40	50	60	70	80	90	100	120	140
Thermal resistance (m ² K/W):	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 30 mm to 140 mm	EN 826	kPa	≥ 200							
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING $\leq 2\%$ - σ_2										
Thickness from 30 mm to 140 mm	EN 1606	kPa	≥ 70							
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 ≤ 4							
Change in length and width			≤ 1							
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)										
Thickness from 30 mm to 140 mm	EN 12087	Vol. %	≤ 2							
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)										
Thickness from 30 mm to 140 mm	EN 12086		30 - 50							
REACTION TO FIRE										
Reaction to fire	EN 13501-1	Euroclass	E							