


POLIISO® VV HD

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

CHARACTERISTIC	NORM	UNIT	VALUES							
DIMENSIONS										
Thickness	EN 29466	mm	30 - 140							
Thickness tolerance class (T2)	EN 29466 EN 13165	mm	-2 /+2 -3 /+3 -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	0,027 0,026 0,025							
Thickness from 30 mm to 40 mm										
Thickness from 50 mm to 90 mm										
Thickness from 100 mm to 140 mm										
Declared thermal resistance (EN 13165)										
Thickness (mm):	30	40	50	60	70	80	90	100	120	140
Thermal resistance (m ² K/W):	1,11	1,48	1,92	2,31	2,69	3,08	3,46	4,00	4,80	5,60
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}										
Thickness from 30 mm to 140 mm	EN 29469	kPa	≥ 200							
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - σ_2										
Thickness from 30 mm to 140 mm	EN 1606	kPa	≥ 70							
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS										
Condition test: (48 ± 1) hours, (70 ± 2)°C e (90 ± 5)% U.R.	EN 1604	%	≤ 4							
Thickness change										
Change in length and width			≤ 1							
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)										
Thickness from 30 mm to 140 mm	EN 16535	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							