


POLIISO® SB HD

Polyisocyanurate rigid foam (PIR) panels faced one sides with a bituminous glass veil and the other side with saturated mineralized glass veil

CHARACTERISTIC	STANDARD	UNIT	VALUES								
DIMENSIONS											
Thickness	EN 29466	mm	30 - 160								
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 160 mm											
Declared thermal resistance (EN 13165)											
Thickness (mm):	30	40	50	60	70	80	90	100	120	140	160
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	6,40
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}											
Thickness from 30 mm to 160 mm	EN 29469	kPa	≥ 200								
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - σ_2											
Thickness from 30 mm to 160 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 160 mm	EN 16535	Vol. %	≤ 2								
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)											
Thickness from 30 mm to 160 mm	EN 12086		30 - 50								
REACTION TO FIRE											
Reaction to fire	EN 13501-1	Euroclass	F								