


POLIISO® SB

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 823	mm	30 - 160																								
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 30 mm to 70 mm																								
Thickness from 80 mm to 100 mm			0,028																								
Thickness from 120 mm to 160 mm			0,026																								
Declared thermal resistance (EN 13165)	<table border="1"> <tr> <td>Thickness (mm):</td> <td>30</td> <td>40</td> <td>50</td> <td>60</td> <td>70</td> <td>80</td> <td>90</td> <td>100</td> <td>120</td> <td>140</td> <td>160</td> </tr> <tr> <td>Thermal resistance (m²K/W):</td> <td>1,05</td> <td>1,40</td> <td>1,75</td> <td>2,10</td> <td>2,50</td> <td>3,05</td> <td>3,45</td> <td>3,80</td> <td>4,80</td> <td>5,60</td> <td>6,40</td> </tr> </table>			Thickness (mm):	30	40	50	60	70	80	90	100	120	140	160	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	6,40
Thickness (mm):	30	40	50	60	70	80	90	100	120	140	160																
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	6,40																
COMPRESSIVE STRESS AT 10 % DEFORMATION - σ_{10}																											
Thickness from 30 mm to 160 mm	EN 826	kPa	≥ 150																								
COMPRESSIVE CREEP AFTER 50 YEARS WITH CRUSHING ≤ 2 % - σ_2																											
Thickness from 30 mm to 160 mm	EN 1606	kPa	≥ 50																								
DIMENSIONAL STABILITY AT SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS																											
Condition test: (48 ± 1) hours, (70 ± 2)°C e (90 ± 5)% U.R.	EN 1604	%	Thickness change																								
Change in length and width			≤ 4																								
LONG TERM WATER ABSORPTION BY TOTAL IMMERSION (28 DAYS)																											
Thickness from 30 mm to 160 mm	EN 12087	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																								