

## STIFERITE BB

DESCRIPTION		STIFERITE BB is an height performance insulation board with a rigid polyisocyanurate foam core, blown without CFC or HCFC, covered by a 300 g/m <sup>2</sup> bituminous paper on both faces.								
Characteristics	Symbol	Reference Normative	Description	Value						Units
Average initial thermal conductivity	$\lambda_{90/90,i}$	EN 12667	Value determined at 10°C	0,024						W/mK
Declared thermal conductivity	$\lambda_D$	EN 13165 Annessi A e C	Value determined at 10°C	0,028						W/mK
Thickness	$d_N$	EN 823	Value determined at 10°C	Production standard from 20 to 80						mm
				20	30	40	50	60	80	
Thermal resistance	$R_D^*$	$R_D=d/\lambda_D$	Value	0,71	1,07	1,43	1,79	2,14	2,86	m <sup>2</sup> K/W
Compression Strength	$S_{10} \circ S_m$	EN 826	Value	150	150	160	175	175	150	kPa
Dimensional Stability	DS(TH)	EN 1604	(48+/-1)h @ (70+/-2)°C ed U.R. (90+/-5)%	1	1	1	1	1	1	Relative change in dimensions %
				7	6	6	4	4	4	Relative change in thickness %
			(48+/-1)h @ (-20+/-3)°C	0,5	0,5	0,5	0,5	0,5	0,5	Relative change in dimensions %
				1	1	1	1	1	1	Relative change in thickness %
Reaction to fire		EN 13501-1	EN 11925-2	F						Euroclass
			EN 13823 (SBI)							Euroclass
Water vapor diffusion resistance factor	$\mu$	EN 12086	Value	87 ± 19						
Water vapor diffusion resistance	Z	EN 12086	Value	13 ± 3						m <sup>2</sup> /hPa
Water absorption	WL	EN 12087	Full immersion for 28 days	less then 2						%
Tolerance (PUR EN 13165)										
Thickness, mm		< 50	from 50 to 75	>75						T2
Tolerance, mm		+/- 2,0 mm	+/- 3,0 mm	+ 5,0 - 2,0 mm						
Dimensions, mm		< 1000	from 1000 to 2000	from 2000 to 4000						> 4000
Tolerance, mm		+/- 5	+/-7,5	+/- 10						+/- 15
Note										
Temperature stability	Stiferite panels are suitable for application in a range of continuous temperature from -40 °C up to + 110 °C. For short period they can be used up to + 200 °C or at temperature equivalent to the melting point of bitumen (if present in the facing). Exposure of the panels to high temperature for long period could cause deformation to foam or facers. Resistance for torch application or particular reaction to fire are related to the peculiar characteristic of products.									
Dimensional stability	The paper covering, even if bituminous paper, is sensitive to the variations of damp. The absorpton of damp for direct exposure or for contact with wet surfaces and the following desiccation, modifies the stability of the coverings causing the loss of the flatness. For not problems is advisable to fix BB pannels and to complete the laying with immediate execution of the other elements of finish or protection.									
Other information	To obtain further technical data call the green number 800840012									

Edition	Description	Author	Verified
Rev 7 del 05/07/2007	Technical data sheet STIFERITE BB	F. Raggiotto	L. Tolin