RAVATHERM™ XPS X 300 SB

Technical data sheet

Properties	Value		Unit	Standard	CE Code
Thermal Conductivity Declared	0.030	< 60mm	W/m.K	EN 13164	λD
	0.031	≥ 60mm	W/m.K		
Compressive stress or compressive strength@ 10% deformation	300		kPa	EN 826	CS(10\Y)
Compressive Creep max after 50 years < 2% deformation under stress σC	130		kPa	EN 1606	CC(2/1.5/50)σ
Water vapour diffusion resistance factor μ (tabulated value)	100		-	EN 12086	MU
Long term water absorption by total immersion	< 0.7		%	EN 12087	WL(T)
Water pick-up by diffusion	< 2	50 < 80mm	%	EN 12088	WD(V)
	< 1	≥ 80mm			
Water pick up after Freeze Thaw	< 1		%	EN 12091	FTCD
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	EN 1604	DS(70,90)
Deformation under specified compressive load (40kPa) and temperature (70°C) conditions	< 5		%	EN 1605	DLT(2)5
Coefficient of linear thermal expansion (typical value)	0.07		mm/(m.K)	-	-
Fire Performance	E		Euroclass	EN 13501-1	
Temperature limits	-50/+75		°C	-	
Thickness tolerances	1		Class	EN 823	T
Dimensions Width	600		mm	EN 822	
Length	2500		mm	EN 822	
Edge Profile	Butt Edge				
Surface finish	Skin				

Thermal resistance[1]							
Thickness(mm)	30	40	50	75	100	125	150
R_d m².K/W	1.00	1.30	1.65	2.40	3.20	4.00	4.8

DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)300-CC(2/1.5/50)130-DS(70,90)-WL(T)0.7- WD(V)1,2,3(1)-FTCD1

1) Thickness dependant

1 N/mm² = 10³ kPa = 1MPa

Material shall be stored inside in original packaging, away from direct sun light or heat sources