RAVATHERM™ XPS X 300 SB

Technical data sheet

Properties	Value		Unit	Standard	Designation Code
Thermal Conductivity Declared	0.030	≤ 120mm	W/m.K	BS EN 13164: 2012+A1:2015	λD
	0.031	> 120mm	W/m.K		
Compressive stress or compressive strength@ 10% deformation	300		kPa	BS EN 826:2013	CS(10\Y)
Compressive Creep max after 50 years < 2% deformation under stress σC	130		kPa	BS EN 1606:2013	CC(2/1.5/50)σ
Water vapour diffusion resistance factor μ (tabulated value)	150		-	BS EN 12086:2013	MU
Long term water absorption by total immersion	< 0.7		%	BS EN 12087:2013	WL(T)
Water pick-up by diffusion	2	< 80mm	%	BS EN 12088:2013	WD(V)
	1	≥ 80mm			
Water pick up after Freeze Thaw	< 1		%	BS EN 12091:2013	FTCD
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	BS EN 1604:2013	DS(70,90)
Deformation under specified compressive load (40kPa) and temperature (70°C) conditions	< 5		%	BS EN 1605:2013	DLT(2)5
Coefficient of linear thermal expansion (typical value)	0.07		mm/(m.K)	-	-
Reaction to fire classification	E		Euroclass	BS EN 13501-1:2018	
Temperature limits	-50/+75		°C	-	
Thickness tolerances	1		Class	BS EN 823:2013	T
Dimensions Width	600		mm	BS EN 822:2013	
Length	2500		mm	BS EN 822:2013	
Edge Profile	Butt Edge				
Surface finish	Skin				

Thermal resistance[1]							
Thickness(mm)	30	40	50	60	75	100	125	150
R_d: m^2.K/W	1.00	1.30	1.65	2.00	2.50	3.30	4.00	4.80

DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)300-CC(2/1.5/50)130-DS(70,90)-DLT(2)5-WL(T)0.7- WD(V)1,2,3(1)-FTCD1

1) Thickness dependent

1 N/mm² = 10^3 kPa = 1MPa

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