

				FLOORMATE 500-A
Properties	Standard	Unit	CE Code	
Thermal conductivity*				
≤80mm	BS EN 12667	W/mK	λD	0.036 (≤70mm)
81-120mm	BS EN 12667	W/mK	λD	0.038 (> 71mm)
>120mm	BS EN 12667	W/mK	λD	–
Compressive strength at 10% or break (90 days)	BS EN 826	kN/m ²	CS(10Y)i	500
Design load 2% maximum deflection (50 years)	BS EN 1606	kN/m ²	CC(2/1.5/50)σ _c	180
Water vapor resistance	BS EN 12086	MNs/gm	–	900
Water vapor diffusion resistance factor	BS EN 12086	m	MUi	180
Water absorption				
Total immersion	BS EN 12087	% vol	WL(T)i	<0.4
Diffusion	BS EN 12088	% vol	WL(V)i	<3
Freeze/thaw, after 300 cycles	BS EN12091	% vol	FTi	<1
Dimensional stability				
48hrs at 70C/90%RH	BS EN 1604	%	DS(TH)	<2
168hrs at 40kPa/70C	BS EN 1605	%	DLT(2)5	<5
Density (aim)	BS EN 1602	kg/m ³	–	40
Dimensions				
Length	BS EN 822	mm	–	1250
Width	BS EN 822	mm	–	600
Thickness	BS EN 823	mm	Ti	50,80,120
Fire classification – reaction to fire	BS EN 13164 BS EN 13501	–	Euroclass	E
Appearance				
Surface				skin
Edge profile				shiplap
Application				Floors – high load bearing
Certification * declared 90/90 value - BS EN 13164	BBA Agreement			Applied for