




Dow Building Solutions

Technical Data

FLOORMATE™ 500-A

Properties	Standard	Unit	CE Code	FLOORMATE 500-A
Thermal conductivity* ≤ 70mm	BS EN 12667	W/mK	λ _D	0.034
71-80mm	BS EN 12667	W/mK	λ _D	0.035
81-100mm	BS EN 12667	W/mK	λ _D	–
101-120mm	BS EN 12667	W/mK	λ _D	–
≥ 121mm	BS EN 12667	W/mK	λ _D	–
Compressive strength or compressive stress at 10% deformation (90 days)	BS EN 826	kPa	CS(10/Y)	500
Compressive creep (design load) max 2% deflection after 50 years	BS EN 1606	kPa	CC (2/1.5/50) σ _c	180
Water vapour diffusion resistance factor	BS EN 12086 EN ISO 10456	–	MU	80-200
Water absorption Total immersion	BS EN 12087	Vol-%	WL(T)	≤0.7
Diffusion ≥ 50mm < 80mm	BS EN 12088	Vol-%	WD(V)	≤2
≥ 80mm	BS EN 12088	Vol-%	WD(V)	≤1
Freeze/thaw, after 300 cycles	BS EN 12091	Vol-%	FTCD	≤1
Deformation under load and temperature 168 hrs at 40kPa/70°C	BS EN 1605	%	DLT(2)5	≤5
Density (aim, foam only)	BS EN 1602	kg/m ³	–	38
Dimensions Length	BS EN 822	mm	–	1250
Width	BS EN 822	mm	–	600
Thickness	BS EN 823	mm	T	50, 75
Fire classification Reaction to fire	BS EN 13164 BS EN 13501	–	Euroclass	E
Appearance Surface	–	–	–	skin
Edge profile	–	–	–	shiplap 
Application	–	–	–	Floors - high loadbearing

EN designation code: T1-CS(10\Y)500-DS(70,90)-DLT(2)5-CC(2/1,5/50)180-WD(V)1,2,3-FTDC1-WL(T)0,7-MU150

The properties given are typical (unless stated otherwise)
* declared 90/90 value - BS EN 13164

Thickness [mm]	40	50	60	80	100	120	140	160	180	200
R _D [m ² .K/W]	1,15	1,45	1,75	2,30	2,85	3,45	3,90	4,45	5,00	5,55

Dow Building Solutions (UK & Ireland) has a BREEAM A rating for its ROOFMATE™ SL -A, FLOORMATE™ 300- A and STYROFOAM™ LB -A insulation materials, all of which are manufactured at King's Lynn in the UK. BREEAM is the world's foremost environmental assessment method and rating system for buildings. The ratings support the International Code for a Sustainable Built Environment.

Visit www.dowxenergy.co.uk for further information on XENERGY™ SL insulation products as well as adhesives and sealants from Dow Building Solutions. For technical enquiries email FKLTECH@dow.com.

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