




## Dow Building Solutions

### Technical Data

# FLOORMATE™ 300-A

Properties	Standard	Unit	CE Code	FLOORMATE 300-A
Thermal conductivity* ≤ 70mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.033
71-80mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.033
81-100mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.034
101-120mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.034
≥ 121mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.036
Compressive strength or compressive stress at 10% deformation (90 days)	BS EN 826	kPa	CS(10/Y)	300
Compressive creep (design load) max 2% deflection after 50 years	BS EN 1606	kPa	CC (2/1.5/50) σ <sub>c</sub>	130
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)	–
≥ 80mm	BS EN 12088	Vol-%	WD(V)	–
Freeze/thaw, after 300 cycles	BS EN 12091	Vol-%	FTCD	–
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 <sup>3</sup>	–	33
Dimensions Length	BS EN 822	mm	–	2500
Width	BS EN 822	mm	–	600
Thickness	BS EN 823	mm	T	50, 75, 100, 125**, 150**
Fire classification Reaction to fire	BS EN 13164 BS EN 13501	–	Euroclass	E
Appearance Surface	–	–	–	skin
Edge profile	–	–	–	butt edge 
Application	–	–	–	Floors - domestic and medium load bearing

**EN designation code: T1-CS(10\Y)300-WL(T)0,7-DS(70,90)-MU150**

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

\*\* made to order

Thickness [mm]	50	75	100	125	150
R <sub>D</sub> [m <sup>2</sup> .K/W]	1,50	2,25	2,95	3,65	4,15

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](http://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](mailto:FKLTECH@dow.com).

**Dow Chemical Company Limited**

Diamond House, Lotus Park  
Kingsbury Crescent, Staines,  
TW18 3AG  
Tel.: 020 3139 4000

[www.styrofoam.co.uk](http://www.styrofoam.co.uk)  
[www.dowxenergy.co.uk](http://www.dowxenergy.co.uk)

---

Note: The information and data contained in this technical data sheet do not represent exact sales specifications. The features of the products mentioned may vary. The information contained in this document has been provided in good faith, however it does not imply any liability, guarantee or assurance of product performance. It is the purchaser's responsibility to determine whether these Dow products are suitable for the application desired and to ensure that the site of work and method of application conform with current legislation. No licence is hereby granted for the use of patents or other industrial or intellectual property rights. If Dow products are purchased, we advise following the most up-to-date suggestions and recommendations.