









## Dow Building Solutions

### Technical Data

# Product data table for STYROFOAM™-A

Properties	Standard	Unit	CE Code	FLOORMATE™			ROOFMATE™		PERIMATE™
				300-A	500-A	700-A	SL-A	LG-A (foam)	DI-A
Thermal conductivity* ≤ 70mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.033	0.034	0.034	–	–	–
71 – 80mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.033	0.035	–	–	0.033	–
81 – 100mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.034	–	0.035	0.034	–	0.034
101 – 120mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.034	–	–	0.034	–	–
≥ 121mm	BS EN 12667	W/mK	λ <sub>D</sub>	0.036	–	–	0.036	–	–
Compressive strength or compressive stress at 10% deformation (90 days)	BS EN 826	kPa	CS(10/Y)	300	500	700	300	300	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	180	250	130	–	–
Water vapour diffusion resistance factor	BS EN 12086 EN ISO 10456	–	MU	80-200	80-200	80-200	80-200	80-200	80-200
Water absorption Total immersion	BS EN 12087	Vol-%	WL(T)	≤0.7	≤0.7	≤0.7	≤0.7	≤0.7	≤0.7
Diffusion ≥ 50mm < 80mm	BS EN 12088	Vol-%	WD(V)	–	≤2	≤2	–	–	–
≥ 80mm	BS EN 12088	Vol-%	WD(V)	–	≤1	≤1	≤1	≤1	≤1
Freeze/thaw, after 300 cycles	BS EN 12091	Vol-%	FTCD	–	≤1	≤1	≤1	≤1	≤2
Deformation under load and temperature 168 hrs at 40kPa/70°C	BS EN 1605	%	DLT(2)5	≤5	≤5	≤5	≤5	≤5	–
Density (aim, foam only)	BS EN 1602	kg/m <sup>3</sup>	–	33	38	42	33	33	33
Dimensions Length	BS EN 822	mm	–	2500	1250	1250	1250	1200	1250
Width	BS EN 822	mm	–	600	600	600	600	600	600
Thickness	BS EN 823	mm	T	50, 75, 100, 125, 150, 200	50, 75	50, 100	100, 120, 140, 160, 180, 200**	90***	100
Fire classification Reaction to fire	BS EN 13164 BS EN 13501	–	Euroclass	E	E	E	E	E	E
Appearance Surface	–	–	–	skin	skin	skin	skin	mortar topping	grooved face & geotextile
Edge profile	–	–	–	butt edge	shiplap	shiplap	shiplap	tongue & groove	shiplap
									
Application	–	–	–	Floors - domestic and medium load bearing	Floors - high loadbearing	Floors - very highload bearing	Inverted roofs ballasted	Parapet/Upstand	Basement walls external

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

\*\* length 2500 mm  
\*\*\* includes 10mm for the mortar topping

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**Dow Building Solutions**

**Dow Chemical Company Limited**

Dow Chemical Company Limited

Diamond House, Lotus Park

Kingsbury Crescent, Staines, TW18 3AG

Tel: 020 3139 4000

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