

PERIMATE DI-A[Normal View](#)

PERIMATE DI-A is the STYROFOAM solution for insulating structures below ground. PERIMATE DI-A boards have vertical channels cut into one face, to drain water away, with a filter fabric bonded to the face to prevent soil particles blocking the channels.

Further information on designing with PERIMATE DI-A insulation can be found at [Insulating with STYROFOAM: structure below ground](#).

[Safety Data Sheets](#)

PERIMATE DI-A				
Properties	Standard	Unit	CE Code	
Thermal conductivity*				
≤80mm	BS EN 12667	W/mK	λD	0.035
81-120mm	BS EN 12667	W/mK	λD	0.036
>120mm	BS EN 12667	W/mK	λD	–
Compressive strength at 10% or break (90 days)	BS EN 826	kN/m ²	CS(10Y)i	300
Design load 2% maximum deflection (50 years)	BS EN 1606	kN/m ²	CC(2/1.5/50)σ _C	–
Water vapour resistivity	BS EN 12086	MNs/gm	–	825
Water vapour diffusion resistance factor	BS EN 12086	m	MU _i	165
Water absorption				
Total immersion	BS EN 12087	% vol	WL(T)i	<0.5
Diffusion	BS EN 12088	% vol	WL(V)i	<3
Freeze/thaw, after 300 cycles	BS EN 12091	% vol	FT _i	<1
Dimensional stability				
48hrs at 70C/90%RH	BS EN 1604	%	DS(TH)	<2
168hrs at 40kPa/70C		%	DLT(2)5	–
Density (aim)	BS EN 1602	kg/m ³	–	45
Dimensions				
Length	BS EN 822	mm	–	1250
Width	BS EN 822	mm	–	600

29/05/2009

PERIMATE DI-A

Thickness	BS EN 823	mm	Ti	60, 100, 120
Fire classification	BS EN 13164	–	Euroclass	E
Appearance				
Surface				grooved face & geotextile
Edge profile				shiplap
Application				Basement walls external

The properties given are typical (unless stated otherwise). Results of tests described are available from Dow

* declared 90/90 value - BS EN 13164

®™* Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Dow Building Solutions : United Kingdom Home : Product Data : STYROFOAM : PERIMATE DI-A

[Dow .Home](#) [Privacy Statement](#) [Internet Disclaimer](#) [Accessibility Statement](#) [Site Map](#)

[Notices](#)

Copyright © The Dow Chemical Company (1995-2009). All Rights Reserved.