



THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

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Date Printed: 26-Apr-2012

SPECIFIED MATERIAL: 00119234-S

Effective: 15 NOV 2011
Supersedes: 03 MAY 2011

NAME: ROOFMATE(TM) SL-X Extruded Polystyrene Foam

MATERIAL DESCRIPTION:

Color: blue
Odor: odorless
Appearance/Physical State: board

Description Note:

Board faces: with skin
Edge treatment: Ship Lap on all four sides
Application: roof insulation
Trade product code: 74516

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Fire Classification Note:

The national fire performance test standards and regulations may differ from country to country. In parallel there is the European fire classification which applies in those EU countries where the European fire classification system has already been adopted.

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Customers are kindly asked to contact the responsible DOW Sales Office to obtain more details.

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Governmental standard: XPS - EN 13164 - T1 - CS(10\Y)300 - CC(2/1.5/50) 110 - WL(T)0,7 - WD(V)3 - FT2 - DS(TH) - DLT(2)5

TEST REQUIREMENTS

TEST ITEM AND CONDITION	LIMIT	UNIT	METHOD	N
Thickness Tolerance, for thickness <50mm	-2 Min +2 Max	mm	EN 823	
Thickness Tolerance, for thickness >=50mm and <=120mm	-2 Min +3 Max	mm	EN 823	
Thickness Tolerance, for thickness >120mm	-2 Min +8 Max	mm	EN 823	
Width Tolerance	-3 Min +3 Max	mm	EN 822	
Length Tolerance	-6 Min +6 Max	mm	EN 822	
Squareness, of ends	5 Max	mm/m	EN 824	

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TEST REQUIREMENTS (CONTINUED)

TEST ITEM AND CONDITION	LIMIT	UNIT	METHOD	N
Flatness, (in width and in length), for length <1000mm	7 Max	mm	EN 825	
Flatness, (in width and in length), for length >=1000 and <=2000mm	14 Max	mm	EN 825	
Flatness, (in width and in length), for length >2000 and <=4000mm	21 Max	mm	EN 825	
Flatness, (in width and in length), for length >4000mm	28 Max	mm	EN 825	
Compressive Strength, vertical	300 Min	kPa	EN 826	
Compressive Modulus, vertical	12 Aim	MPa	EN 826	
Long Term Load, 50 Y, < 2% Deformation	110 Aim	kPa	EN 1606	
RCS 90Days, French Regulation Requirement	180 Aim	kPa	NFP 75-401-1	
DS 90Days, French Regulation Requirement	0.8-2.0	%	NFP 75-401-1	
Declared Thermal Conductivity, for thickness <=70mm	29 Max	mW/m.K	EN 13164	
Declared Thermal Conductivity, for thickness <=100mm	29 Max	mW/m.K	EN 13164	
Declared Thermal Conductivity, for thickness >70mm and <=120mm	29 Max	mW/m.K	EN 13164	
Declared Thermal Conductivity, for thickness >100mm and <=120mm	29 Max	mW/m.K	EN 13164	
Declared Thermal Conductivity, for thickness >120mm	31 Max	mW/m.K	EN 13164	

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TEST REQUIREMENTS (CONTINUED)

TEST ITEM AND CONDITION	LIMIT	UNIT	METHOD	N
Density	33 Aim typical	kg/m3	EN 1602	
Water Absorption, by Diffusion	WD/V/3		EN13164/EN12088	
Water Absorption, after Freeze-Thaw	1 Max	%	EN 12091	
Water Absorption, by immersion	0.5 Max	%	EN 12087	
Fire Performance, for Germany	B1		DIN 4102 Part 1	
Fire Performance, for Switzerland	5.1		SIA 183	
Fire Performance, (Reaction to Fire)	Euroclass E		EN 13501-1	
Deformation, under spec. compr. load and temperature	DLT 5		EN 1605	
Compressive Creep, at 50C/Load 10 kPa, for thickness >=30mm and <=60mm	SC1a2Ch		NFP 61-203	1
Compressive Creep, at 50C/Load 10 kPa, for thickness >=70mm and <=100mm	SC1a4Ch		NFP 61-203	2

NOTES

1. Caution: This material contains a halogenated flame retardant system to inhibit accidental ignition from small fire sources. During Shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.
2. This product can be stored OUTSIDE. Protect from direct sunlight if prolonged outside storage.
3. Standard width is 600 mm and standard length is 1250 mm.

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NOTES (CONTINUED)

4. Standard thickness are:

a) for Central European market:

50, 60, 70, 80, 90, 100, 110, 120, 140, 160, 180 and 200 mm.

b) for UK market:

50, 60, 75, 90, 100, 110, 120, 130, 140, 160 and 180 mm.

5. Warning: Fabrication methods, which involve cutting into this product, will release the flammable blowing agent remaining in the cells.

Provide adequate ventilation. In order to prevent build-up of combustible vapours, do not store large quantities of this product in unventilated spaces.

Transport bulk shipments of this product in ventilated vehicles and containers.

6. TM: TRADEMARK OF THE DOW CHEMICAL COMPANY

READ PRECAUTIONARY INFORMATION AND MATERIAL SAFETY SHEETS. THIS PRODUCT IS SHIPPED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING CLASSIFICATION, PACKAGING, SHIPPING AND LABELING.

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