



THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

Date Printed: 2013-01-14

Effective Date: 2013-01-11

Supersedes Date: 2013-01-05

Name: ROOFMATE™ TR-SL-X Extruded Polystyrene Foam

Specification Number: 000000239686

Previous Specified Material: 00174531

Additional Product Information:

Board faces: with skin
Edge treatment: Ship Lap on all four sides
Application: roof insulation
Trade Product Code: 00239686

GOVERNMENT/INDUSTRY STANDARDS

XPS-EN 13164-T1-CS (10\Y) 300-CC (2/1.5/50) 90-WL (T) 0, 7-WD (V) 3-FT2-DS (TH) -DLT (2) 5

Final Testing Requirements

Test and Test Condition	Limit	Unit	Method	Note
Thickness Tolerance, for thicknesses <50mm	-2 — 2	mm	EN 823	
Thickness Tolerance, for thicknesses >=50mm and <=120mm	-2 — 3	mm	EN 823	
Thickness Tolerance, for thicknesses >120mm	-2 — 8	mm	EN 823	
Width Tolerance	-3 — 3	mm	EN 822	
Length Tolerance	-6 — 6	mm	EN 822	
Squareness, ends	5 Max	mm/m	EN 824	
Flatness, in width and length, for lengths <1000mm	7 Max	mm	EN 825	
Flatness, in width and length, for lengths >=1000mm and <=2000mm	14 Max	mm	EN 825	

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Final Testing Requirements

Test and Test Condition	Limit	Unit	Method	Note
Flatness, in width and length, for lengths >2000mm and <=4000mm	21 Max	mm	EN 825	
Flatness, in width and length, for lengths >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	90 Aim	kPa	EN 1606	
Declared Thermal Conductivity, for thicknesses <80mm	31 Max	mW/m.K	EN 13164	
Declared Thermal Conductivity, for thicknesses >80mm	32 Max	mW/m.K	EN 13164	
Density, typical	Report	kg/m ³	EN 1602	1
Water Absorption, by diffusion, WD/V/3	Pass		EN13164/EN12088	
Water Absorption, aft freeze-thaw cycles	1.0 Max	%	EN 12091	
Water Absorption, by immersion	0.5 Max	%	EN 12087	
Fire Performance, Reaction to Fire, Euroclass E	Pass		EN 13501-1	
Deformation, (under spec. compr. load and temp), DLT(2)5	Pass		EN 1605	

Final Testing Requirements Notes:

1 Density, typical Note

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Final Testing Requirements Notes:

Density, typical = 33 kg/m³

General 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 **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 vapors, do not store large quantities of this product in unventilated spaces.

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

3 Storage Notes

- This product can be stored OUTSIDE.
- Protect from direct sunlight if prolonged outside storage.

4 Standard Dimensions

- Width: 600mm
- Length: 1250mm
- Thicknesses: 40, 50, 60, 75 and 100 mm

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