

Styrofoam Roofmate SL-X

Details

Styrofoam™ Roofmate SL-X extruded polystyrene (XPS) thermal insulation distributed by DCTech, is designed for installation above waterproofing membranes in protected membrane roof (PMR) applications. Styrofoam™ Roofmate SL-X XPS rigid insulation boards are unaffected by the conditions encountered on flat roofs including wide fluctuation in operating temperature or repeated freeze/thaw cycles.

Styrofoam™ Roofmate SL-X XPS thermal insulation offers a long term retained R-value, high compressive strength and superior moisture resistance, making Styrofoam™ Roofmate SL-X XPS the perfect solution wherever superior load bearing and high insulating capabilities are specified.



Applications

- IRMA (upside down roof)
- Heavyweight decks with a ballast layer of gravel or concrete slabs
- Timber decking and paving
- Roof gardens

Features

- High compressive strength
- Long term retained R-Values
- Does not support mould growth, will not crumble or decay

Specification Clause General Application Board

Specify Dow Styrofoam™
'X' Foam for Greenstar
projects

Dow Styrofoam™ Roofmate-X extruded polystyrene general application board should be described in specifications as:-

The insulation shall be Dow Styrofoam TM Roofmate-X

Dynamic Composite Technologies Pty Ltd ABN 55 103 023 874

NSW

Unit 8, 171-175 Newton Rd Wetherill Park NSW 2164 P O Box 7186 Wetherill Park DC NSW 1851

- T 02 8788 9555
- F 02 9604 7468
- E nsw@dctech.com.au

VIC

12 Agosta Drive Laverton North VIC 3026

- T 03 9369 7920
- F 03 9369 4043
- E vic@dctech.com.au

www.dctech.com.au



Standards

- Green Star Compliant
- Zero ODP
- Low VOC'sEU Reg EC\3093\94

__mm closed cell rigid cellular extruded polystyrene (XPS) foam panel with minimum compressive strength 300 kPa. Dow Styrofoam™ Roofmate-X is distributed by Dynamic Composite Technologies - T: 1800 051 100.

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Technical Data

Extruded polystyrene XPS rigid thermal insulation Product Description: Dow Styrofoam™ Roofmate SL-X extruded polystyrene thermal insulation is specifically designed for insulated roof membrane assembly (IRMA) applications. Roofmate SL-X XPS long term retained R-value combined with high compressive strength and superior water resistant properties make it ideal for flat concrete and metal deck roofing applications. Surface finish: Planned Product code: Roofmate SL-X Colour: Blue Edge treatment: Ship-Lap Nominal Thickness: 30 - 200 mm Width: Length: Density: 22 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Vater absorption: Vater absorption: Service Activated by Strength and Superior water and superior water insulation is specifically designed by Superior insulated polystyrene Membrane assembly assembly applications. Roofmate SL-X Colour: Blue Edge treatment: Ship-Lap Nominal Thickness: 30 - 200 mm Width: 400 mm 400	Product Name:	Dow Styrofoam™ Roofmate SL-X
Product Description: Dow Styrofoam™ Roofmate SL-X extruded polystyrene thermal insulation is specifically designed for insulated roof membrane assembly (IRMA) applications. Roofmate SL-X XPS long term retained R-value combined with high compressive strength and superior water resistant properties make it ideal for flat concrete and metal deck roofing applications. Surface finish: Planned Product code: Roofmate SL-X Colour: Edge treatment: Ship-Lap Nominal Thickness: 30 - 200 mm Width: Length: Density: Compressive strength: 32 kg/m³ 300 kPa (min @ 10% deformation) Vater absorption: Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,		Extruded polystyrene XPS rigid thermal
polystyrene thermal insulation is specifically designed for insulated roof membrane assembly (IRMA) applications. Roofmate SL-X XPS long term retained R-value combined with high compressive strength and superior water resistant properties make it ideal for flat concrete and metal deck roofing applications. Surface finish: Planned Product code: Roofmate SL-X Colour: Blue Edge treatment: Ship-Lap Nominal Thickness: 30 - 200 mm Width: Length: Density: 32 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Water absorption: Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,		insulation
Product code: Colour: Edge treatment: Nominal Thickness: Width: Length: Density: Compressive strength: Water absorption: Blue Ship-Lap 30 - 200 mm 600 mm 1250 mm 32 kg/m³ 300 kPa (min @ 10% deformation) < 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Product Description:	polystyrene thermal insulation is specifically designed for insulated roof membrane assembly (IRMA) applications. Roofmate SL-X XPS long term retained R-value combined with high compressive strength and superior water resistant properties make it ideal for flat concrete and metal deck roofing
Colour: Edge treatment: Nominal Thickness: Width: Length: Density: Compressive strength: Water absorption: Blue Ship-Lap 30 - 200 mm 600 mm 1250 mm 32 kg/m³ 30 kPa (min @ 10% deformation) < 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Surface finish:	Planned
Edge treatment: Nominal Thickness: 30 - 200 mm Width: 600 mm Length: 1250 mm Density: 32 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Water absorption: < 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Product code:	Roofmate SL-X
Nominal Thickness: 30 - 200 mm 600 mm Length: 1250 mm Density: 32 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Water absorption: 40.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Colour:	Blue
Width: Length: Density: 32 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Water absorption: Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Edge treatment:	Ship-Lap
Length: Density: 32 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Water absorption: < 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Nominal Thickness:	30 - 200 mm
Density: 32 kg/m³ Compressive strength: 300 kPa (min @ 10% deformation) Water absorption: < 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Width:	600 mm
Compressive strength: 300 kPa (min @ 10% deformation) 4 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Length:	1250 mm
Water absorption: < 0.3% Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Density:	32 kg/m³
Blowing agent: HFC Environmental characteristics: Green Star Compliant, Zero ODP,	Compressive strength:	300 kPa (min @ 10% deformation)
Environmental characteristics: Green Star Compliant, Zero ODP,	Water absorption:	< 0.3%
• • • • • • • • • • • • • • • • • • • •	Blowing agent:	HFC
CFC/HCFC free, Low VOC	Environmental characteristics:	Green Star Compliant, Zero ODP,
		CFC/HCFC free, Low VOC

Nominal Thickness to R-Value Dow Styrofoam™ Roofmate SL-X @ 24°C

Nominal Thickness mm	Lambda/K Value/Thermal Conductivity	R Value
25	0.0278	0.9



30	0.0278	1.1
40	0.0278	1.4
50	0.0278	1.8
60	0.0278	2.2
75	0.0278	2.7
80	0.0278	2.9
90	0.0278	3.2
100	0.0278	3.6
120	0.0278	4.3
150	0.0278	5.4
200	0.0278	7.2

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