



## Styrofoam LB

### Details

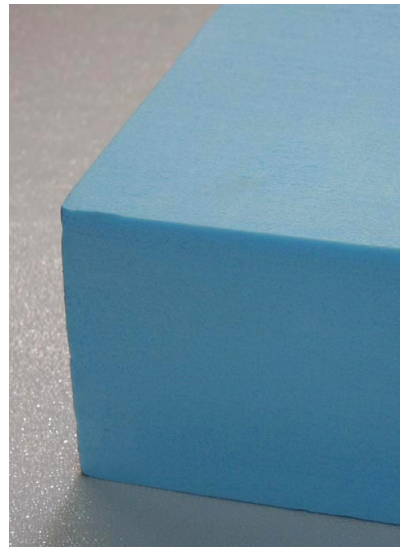
The exceptional robustness of Dow Styrofoam™ LB™ extruded polystyrene (XPS) rigid insulation and long-term thermal performance helps to ensure energy efficiency in a wide range of residential and commercial construction applications.

With long term proven performance and creep data, Styrofoam™ LB™ XPS insulation is an ideal engineered product that designers may confidently specify in today’s increasingly highly insulated designs. For sandwich panel cores, the lightweight, close tolerance, dust-free surface of Styrofoam™ LB™ XPS allows for excellent bonding to a wide variety of sheet materials.

Dow Styrofoam™ LB™ XPS rigid thermal insulation has been specifically designed to withstand severe dynamic loads and stresses which may eventually lead to fatigue and failure. It is specially designed to resist such force and in tests has been shown to perform extremely well under dynamic load cycling.

Styrofoam™ LB™ XPS insulation is manufactured through a continuous extrusion process, and as with all Dow Styrofoam™ products possess a rigid closed cell structure with unique properties such as low thermal conductivity, high resistance to water penetration and high compressive strength.

Styrofoam™ LB™ XPS insulation is produced in a



### 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](http://www.dctech.com.au)

**Specification Clause**  
**General Application Board**

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

The insulation shall be Dow Styrofoam™ LB™ \_\_mm closed



range of thicknesses and is smooth on both facers. By placing the insulation outside the building mass it protects both membrane and slab from thermal cycling and loading.

The Dow Styrofoam™ LB™ XPS rigid insulation range will help curb escalating energy bills, reduce a building's carbon footprint and provide a more comfortable indoor environment.

### Applications

- Cold store floors
- Cold roof
- Cold bridge insulation
- External render and/or cladding
- Plasterboard laminate
- Refrigerated truck panels
- Composite building panels

### Features

- High compressive strength-to-weight ratio
- Low susceptibility to rot, mould or fungal growth
- Clean, odourless and free from irritating dust

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

Dynamic Composite  
Technologies Pty Ltd  
ABN 55 103 023 874

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**Technical Data**

Product Name:	<b>Dow Styrofoam™ LB</b> Extruded polystyrene XPS rigid thermal insulation
Product Description:	Dow Styrofoam™ LB extruded polystyrene (XPS) rigid thermal insulation board for cold store floors, cold roof, cold bridge insulation, external render and/or cladding, plasterboard laminate, refrigerated truck panels and composite building panels.
Surface finish:	Planned
Product code:	LB
Colour:	Blue
Edge treatment:	Butt edge
Nominal Thickness:	75 and 1000 mm
Width:	600 mm
Length:	2500 mm
Density:	30 kg/m <sup>3</sup>
Compressive strength:	300 kPa (min) @ 10% deformation
Water absorption by immersion:	0.5% - vol. (28 days, full board)
Temperature Limited:	-50/+75°C

**Nominal Thickness to R-Value  
Dow Styrofoam™ LB XPS @ 24°C**

<b>Nominal Thickness mm</b>	<b>Lambda/K Value/Thermal Conductivity</b>	<b>R Value</b>
75	0.0278	2.7
100	0.0278	3.6

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