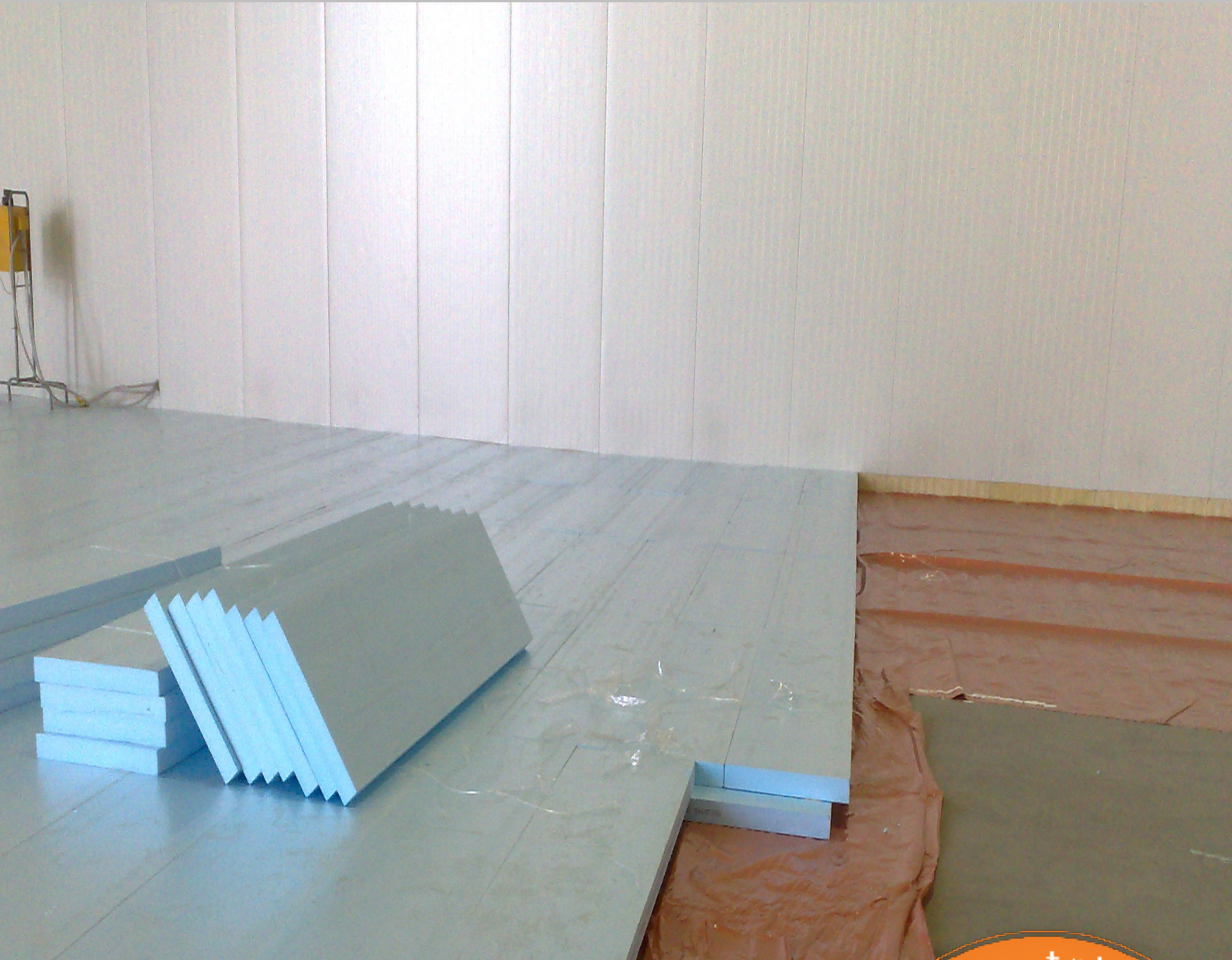




the knowledge to produce solutions



**sp-x board**  
**general application**



# dow sp-x

## extruded polystyrene insulation



**DOW SP-X<sup>®</sup>** extruded polystyrene (XPS) general application board provides excellent performance in roofs, walls and floors in commercial applications.

The **DOW SP-X<sup>™</sup>** XPS boards are rot proof, stable and durable and will have a life equivalent to that of the structure in which they are incorporated.

**DOW SP-X<sup>®</sup>** offers top performance with regards to thermal insulation, maintaining this characteristic under extreme conditions of compression, humidity and temperature. The exceptional compressive strength enables it to easily resist several tons/m<sup>2</sup> downward pressure.

The closed cell structure of **DOW SP-X<sup>®</sup>** XPS foam makes water absorption almost non-existent and provides a high resistance to vapour transmission.

### Exceptional Strength

- Proven long term performance
- High resistance to settlement and compaction
- Dimensional and edge profile stability

### Excellent moisture performance (closed cell structure)

- Very high resistance to moisture penetration
- Low vapour permeability
- High resistance to freeze thaw cycles
- Durability provides long term retention of these properties

### Superior thermal resistance

- Low thermal conductivity
- Thinner boards required compared to some traditional materials

### Specification Clause

**DOW SP-X<sup>®</sup>** extruded polystyrene general application board should be described in the specification as:-

The insulation shall be **DOW SP-X<sup>®</sup>** \_\_\_\_\_mm non-porous cellular extruded polystyrene (XPS) foam panel with minimum compressive strength 350 kPa. Zero ODP, CFC and HCFC free. **DOW SP-X<sup>®</sup>** extruded polystyrene general application board is distributed by Dynamic Composite Technologies - T: 1800 051 100.



### Health and Safety

- CFC and HCFC free formulation
- Zero ozone depletion potential (ODP)
- Green Star Compliance
- Non-irritant, light and easy to handle
- Clean, easy cutting, robust and inherent weather resistant
- profiles to facilitate rapid and robust installation

### Installation details

For application specific advice please contact DCTech on 1800 051 100.

### Condensation Statement

There are a large number of factors that need to be considered in assessing and managing condensation risk. Such factors include the local climate, building use, position, thickness and type of insulation, position and integrity of vapour barriers, and the degree and location of mechanical or passive ventilation. It is highly recommended that designers undertake a condensation risk analysis.

# dow sp-x

## technical data

Product Name	DOW SP-X <sup>™</sup>
Product Description:	Non-porous, closed cell, high performance extruded polystyrene general application insulation board for use in floor, wall and roof applications.
Composition and Surface finish:	Closed cell extruded polystyrene, surface skin
Product Code:	SP-X
Colour:	Blue
Edge Profile:	Square Edge
Width:	600mm
Length:	2500mm
Thicknesses available:	50, 75, 100mm other sizes on application
Compressive Strength:	≥350kPa
Thermal Conductivity	0.028 W/mK @ 24 °C
Water vapour resistivity:	350-950 MNs/gm
Water absorption:	≤0.3% vol

Thickness to R-Value DOW SP-X <sup>™</sup>	
Thickness (mm)	DOW SP-X <sup>™</sup> R-Value (m <sup>2</sup> K/W)
50	1.8
75	2.7
100	3.6

### Delivery, handling and storage

**DOW SP-X<sup>™</sup>** insulation boards are delivered shrinkwrapped. **DOW SP-X<sup>™</sup>** is light, rigid and clean and pleasant to handle and install. It is easily cut to size or trimmed using a knife or saw. **DOW SP-X<sup>™</sup>** should be stored flat in a ventilated area and protected from accidental damage, contact with volatile solvents, flames and extended exposure to UV and sunlight.

**technical hotline: 1800 051 100**

# about dctech

Dynamic Composite Technologies, or as we are now known DCTech, has been serving the Australian building industry with an extensive portfolio of technically advanced thermal insulation, geotextile membranes, rainscreen cladding brackets and fibreglass reinforced plastic wall and ceiling liner panels - which have been tried and tested to Australian building codes and standards.

This diverse portfolio provides DCTech with the ability to consider the building envelope holistically and hence develop a 'total system solutions' for a wide range of building applications. DCTech total system solutions incorporate high-performance building materials and innovative solutions which are designed to meet the continuously evolving requirements of the Australian building industry.

DCTech total system solutions address the risk of interstitial condensation, affords BCA, NCC and Greenstar compliant thermal efficiency and optimum acoustic and fire performance.

Ensure you specify the right system for the right application, look for the orange 'Powered by DCTech' stamp of approval.



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