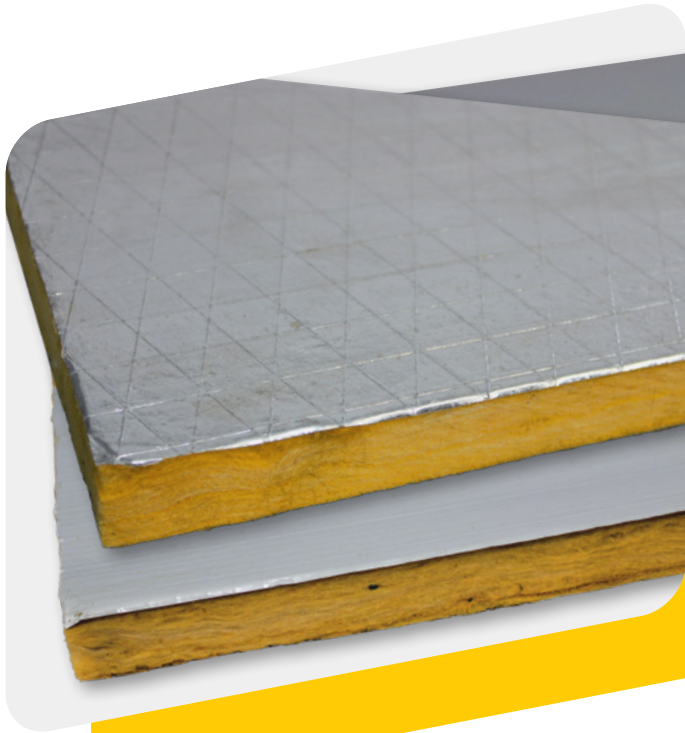




## Factoryboard®

Glasswool: a rigid faced board for roof and wall insulation





**Factoryboard®** will reduce thermal heat transmission and as a result will reduce power consumption significantly. Insulating metal buildings is essential and helps stabilise the structures interior temperature

## TECHNICAL DATA SHEET



### ENERGY SAVING

#### DESCRIPTION

Factoryboard® is a rigid board manufactured from Glasswool. Available in 25 or 50 mm thickness. It can be supplied with an ASTM E-84 tested reinforced foil or white metalised foil. Alternative facings are also available (white embossed vinyl or black non-woven glass tissue).



### THERMAL COMFORT

#### QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2015.



### SOUND INSULATION & ABSORPTION

#### ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2015.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP).

#### FEATURES & BENEFITS

- Excellent thermal and acoustic properties
- Maintenance free
- Long product life - will not readily age
- Significantly reduces heat loss/gain
- Made to size to reduce wastage.

#### THERMAL PROPERTIES

Contributes to indoor comfort and lifelong savings by reducing heat loss/gain due to the inherent thermal insulation properties.

## FIRE PROPERTIES

### Foil / WMF:

- Class B/B1/2/H&V (SPR & UNSPR)  
Sans 428 Classification
- Class A2 - EN 13501 Classification

## ACOUSTIC PROPERTIES

Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of noise.

## APPLICATIONS

- Multi-purpose wall cladding
- Recommended to be installed in a grid system
- Over purlin roof insulation for new buildings or in a supporting grid system for existing buildings
- Should not be installed in applications where the facing material is exposed to direct or indirect ultraviolet radiation.

## DURABILITY

- Odourless, inert and fully compatible with all standard building materials and components
- Will not promote corrosion of steel, copper or aluminium
- Will not breed or promote fungi, mould or bacteria
- Non-hygroscopic
- Dust settlement will not hamper the products performance.

## HANDLING & STORAGE

Store product under cover and in dry conditions. Store flat. Handle with care, especially on the edges and corners, which can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage may be caused.

## PHYSICAL PROPERTIES

| R-value (m <sup>2</sup> .K/W) | Thickness (mm) | Length (mm) | Width (mm) | Density (kg/m <sup>3</sup> ) | K-value (W/m.K) | NRC  | Quantity/Pallet |
|-------------------------------|----------------|-------------|------------|------------------------------|-----------------|------|-----------------|
| 0.78                          | 25             | 2 400       | 1 200      | 80                           | 0.032           | 0.65 | 50 boards       |
| 1.56                          | 50             | 2 400       | 1 200      | 80                           | 0.032           | -    | 28 boards       |

### Typical values and standard product dimensions

- Lengths can be tailor-made in metric units to the nearest 10 mm
- Maximum recommended lengths: 25 mm Board - 2.8 m, and 50 mm Board - 3.2 m

## TOOLS NEEDED FOR INSTALLATION

Boards are manufactured to length - a sharp knife will be required should cutting be necessary.

## INSTALLATION INSTRUCTIONS

Take care when installing in windy conditions.

1. When installing over purlins, a C clip/metal saddle must be inserted through the board so that the roof sheet clip is fixed to the structure and not to the board.
2. Use H-sections or T-sections to span between the purlins to support the board along the longitudinal joint. Minimum recommended face width of T or H-section - 35 mm.

3. For retro-fit roof insulation installations, it is recommended that Factoryboard® be installed as a ceiling in a standard suspended grid system.

## ARCHITECTURAL SPECIFICATION

Install (25/50) mm thick, rigid "Factoryboard®" as an aesthetic, acoustic and thermal (wall cladding/suspended ceiling/over purlin roof insulation). Faced with (reinforced foil/ white metalised foil/white embossed vinyl/ black non-woven glass tissue). Install as per manufacturer's specifications.



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