isover
SAINT-GOBAIN

Factorylite®

Glasswool: effective commercial and industrial roofing insulation

PROUDLY MADE
IN SOUTH AFRICA

SAINT-GOBAIN

isover
SAINT-GOBAIN

Factorylite® is manufactured from high quality non-combustible flexible Glasswool insulation with an inert binder, which makes the product lightweight, safe and resilient.

TECHNICAL DATA SHEET

ENERGY SAVING

NON-COMBUSTIBLE

THERMAL COMFORT

SOUND INSULATION & ABSORPTION

DESCRIPTION

Factorylite® is faced on one side with either a reinforced foil, white metalised foil or a black metalised foil. Factorylite® can be faced on both sides on request.

QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2015.

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

- Energy saving
- Excellent thermal and acoustic properties
- Maintenance free
- Long product life – will not readily age
- Helps to prevent condensation
- Compression packed – to reduce volume and optimise transport and storage
- Significantly reduces heat loss/gain
- Suitable for high humidity applications
- Made to size to reduce wastage.

FIRE PROPERTIES

Foil

WMF (White Metalised Foil)

MBR (Metal Building Roll) – Unfaced Glasswool

- Non-combustible – tested to SANS 10177 Part 5

THERMAL PROPERTIES

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

ACOUSTIC PROPERTIES

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

APPLICATIONS

Industrial roof insulation:

- Over purlin installation (new 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 sustain vermin
- 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^2.K/W)	Thickness (mm)	*Lengths (m)	Width (mm)	K-value (W/m.K)	NRC
1.28	50	10 to 30	1200	0.039	0.70
1.92	75	10 to 25	1200	0.039	-
2.56	100	5 to 20	1200	0.039	-
3.46	135	5 to 15	1200	0.039	-

Typical values

*** Standard roll lengths are available in 5 000 mm increments.**

*** Non-standard roll lengths can be tailor-made to the nearest 500 mm at a price premium.**

**** The above R-values are theoretical and may differ on site due to compression at the purlins once installed.**

**** The Ash & Lacy Ashgrid spacer system is recommended to eliminate compression. Please contact us for more information.**

TOOLS NEEDED FOR INSTALLATION

Straining wires, G-clamps, galvanized hoop irons, pop rivets, drill, heavy duty staple gun, 10 mm wire staples.

INSTALLATION INSTRUCTIONS

1. When installing the blanket in new buildings over purlins ensure that the straining wires are placed 300 mm apart.
2. Affix to the roof apex and unroll the blanket longitudinally taking out any slack and attach to the bottom purlin.
3. To join the blankets fold up the overlapping foil edges and staple, fold the join over and staple again.
4. Caution to be exercised when installing in windy conditions.

ARCHITECTURAL SPECIFICATION

Install 50/75/100/135 mm thick, non-combustible, lightweight Factorylite® building insulation with (reinforced foil/white metalised foil) facing on (one/both) sides, with thermal resistance of 1.28/1.92/2.56/3.46 m^2.K/W. Install as per manufacturer's specifications.

South Africa, 01/2023
Isover reserves the right to modify data without prior notice.
If required, please contact the Isover Technical Department.

SAINT-GOBAIN

ISOVER is a division of Saint-Gobain Construction Products SA (Pty) Ltd

Block A • Siemens Office Park • 300 Janadel Avenue • Halfway House • Midrand • 1685

PO Box 50416 • Randjiesfontein • 1683 • South Africa

+27 (0)12 657 2800

www.isover.co.za

ISOVER reserves the right to alter or amend product specification without notice. The information given in this publication is correct to the best of our knowledge at the time of publication. Whilst Isover will endeavour to ensure publications are up to date, it is the users' responsibility to check with us that it is correct prior to use.

Tel: 0860 ISOVER (476837)
www.isover.co.za/products/factorylite