



Factorylite®

Glasswool: effective
commercial and industrial
roofing insulation





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

- Non-combustible, rated A2,s1,d0* according to SANS 53501-1

WMF (White Metalised Foil)

- Non-combustible, rated A2,s1,d0* according to SANS 53501-1

BMF (Black Metalised Foil)

- Non-combustible, rated A2,s1,d0* according to SANS 53501-1

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
- 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)	Density (kg/m ³)	K-value (W/m.K)	NRC
1.28	50	10 to 30	1200	11	0.039	0.70
1.92	75	10 to 25	1200	11	0.039	-
2.56	100	5 to 20	1200	11	0.039	-
3.46	135	5 to 15	1200	11	0.039	-

Typical values

1. Standard roll lengths are available in 5 000 mm increments.
2. Non-standard roll lengths can be tailor-made to the nearest 500 mm at a price premium.
3. The above R-values are theoretical and may differ on site due to compression at the purlins once installed.
4. 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) m².K/W. Install as per manufacturer's specifications.



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