Factorylite

Glasswool: Effective commercial & industrial roofing insulation

DESCRIPTION

Factorylite is manufactured from high quality non-combustible flexible Glasswool insulation with an inert binder, which makes the product lightweight, safe and resilient. Factorylite is faced on one side with either a reinforced foil or white metalised foil. Factorylite can be faced on both sides on request.

QUALITY MANAGEMENT SYSTEM

ISOVER products are manufactured according to ISO 9001:2008.

ENVIRONMENTAL SUSTAINABILITY

ISOVER products are manufactured according to ISO 14001:2004.
Less material, less energy and less emitions
- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP)

FEATURES & BENEFITS

- Lifelong energy savings
- 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 tested to SANS 10177-5

WMF:
- Non combustible - tested to SANS 10177-5

THERMAL PROPERTIES

Contributes to indoor comfort and lifelong 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)
- Between purlin installation (existing buildings)
- Should not be installed in applications where the facing material is exposed to direct or indirect ultraviolet radiation

ISOVER SAINT-GOBAIN

Factorylite

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

Rval (m^2.K/W)	Thickness (mm)	*Lengths (mm)	Width (mm)	k-value (W/m.K)	NRC Value
1.28	50	5m to 30m	1200	0.039	0.70
1.92	75	5m to 20m	1200	0.039	-
2.56	100	5m to 15m	1200	0.039	-
3.46	135	5m to 10m	1200	0.039	-

Typical values

***Standard roll lengths are available in 5000mm increments.**
***Non-standard roll lengths can be tailor-made to the nearest 500mm at a price premium.**
****The above R values are theoretical and may differ on site due to compression at the purlins once installed. Compression over purlin is still acceptable in terms of complying with SANS 204:2011.**
****Spacer type systems are recommended to eliminate compression. Please consult your roof sheet maunfacturer for more information in this regard.**

TOOLS NEEDED FOR INSTALLATION

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

INSTALLATION INSTRUCTIONS

1. When installing the blanket in new buildings over purlins ensure that the straining wires are placed 300mm 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.

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