

Factorylite



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Factorylite Specification



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Factorylite Data Sheet



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Factorylite Installation Methodology

Rating: Not Rated Yet

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Description

Factorylite is manufactured from high quality noncombustible 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, white metalized foil or black metalized foil.

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 emissions

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



FEATURES & BENEFITS

- Life long energy savings
- Excellent thermal & acoustic properties
- Maintenance free
- Long product life - will not readily age

Helps to prevent condensation
Compression packed – to reduce volume & optimise transport & storage
Significantly reduces heat loss/gains
Suitable for high humidity applications
Made to size to reduce wastage

FIRE PROPERTIES

Foil:

Non combustible tested to SANS 10177 Part 5
Class 1 fire index rating - tested to SANS 10177 Part 3
Class A1, s1, d0 - tested to EN 13823
EUROCLASS A1 - EN 13501-1
Tested to ASTM E-84
Flame Spread Index: 20
Smoke Development Index: 5

WMF:

Non combustible - tested to SANS 10177 Part 5
Tested to ASTM E-84
Flame Spread Index: 20
Smoke Development Index: 15

THERMAL PROPERTIES

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

ACOUSTIC PROPERTIES

Offers exceptional acoustic properties & 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



DURABILITY

Odourless, inert and fully compatible with all standard building materials & 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

PHYSICAL PROPERTIES

Roll (m ² /kg)	Thickness (mm)	*Lengths (mm)	Width (mm)	k-value (W/m.k)	NRC Value
1.28	50	8 m to 30 m	1200	0.039	0.70
1.92	75	6 m to 30 m	1200	0.039	-
2.56	100	5 m to 15 m	1200	0.039	-
3.45	135	5 m to 10 m	1200	0.039	-

*Typical values
Roll lengths are tailor made to the nearest 500 mm

TOOLS NEEDED FOR INSTALLATION

Straining wires, G-clamps, Galvanized hoop irons, Pop rivets, Drill, Heavy duty staple gun, 10 mm wire staples.

INSTALLATION INSTRUCTIONS

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

Affix to the roof apex and unroll the blanket longitudinally taking out any slack and attach to the bottom purlin.

To join the blankets fold up the overlapping foil edges and staple, fold the join over and staple again.

Precaution to be taken when installing in windy conditions.

HANDLING & STORAGE

Store product undercover, 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.

ARCHITECTURAL SPECIFICATION

Install (50/75/100/135)mm thick, non-combustible, lightweight "Factorylite" building insulation with (reinforced foil, white metalized foil/black metalized foil) facing on (one/both) sides, with thermal resistance of (1.28/1.92/2.56/3.46)m²K/W. Install as per manufacturer's specifications.

Reviews

There are yet no reviews for this product.