

ECO-FRIENDLY ROOF INSULATION OFFERS HOST OF BENEFITS

Manufactured in South Africa, Starlite® has been successfully applied in commercial and industrial roof and side-cladding insulation applications since 2004.

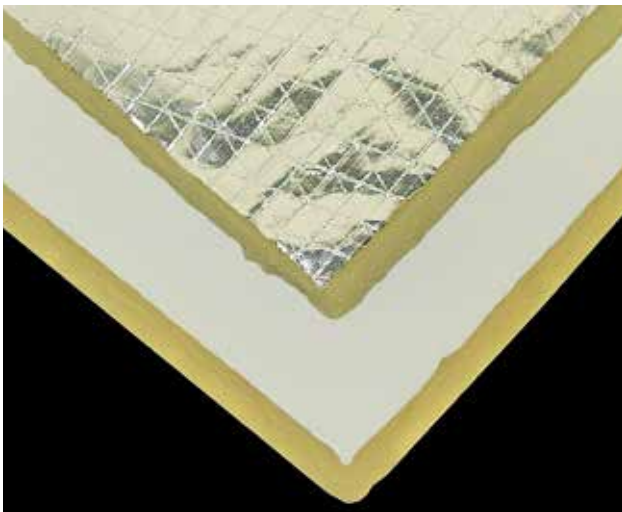
It is an affordable, eco-friendly, fire-rated and very effective thermal and acoustic insulating material with a thermal conductivity (K-value) of 0,039W/m.K and a noise reduction coefficient (NRC-value) of 0,65 at 50mm thickness.

With some of the best performance-to-cost ratios on the market, Starlite® is easily installed in conjunction with the sheeting and cladding and offers excellent aesthetic appeal. In addition, it is one of the most eco-friendly products available.

HOW IT IS MADE

Starlite® consists of a lightweight fibreglass insulating blanket combined with a scrim reinforced aluminium foil or white foil laminate facing for over-purlin applications.

The fibreglass is produced from molten glass, which includes natural raw materials such as sand, limestone and soda ash, and up to 80% post-consumer recycled glass. Melted in an enclosed furnace using a 100% electric melting process, there are no particulate emissions and exhaust gas fumes, ensuring a pollution-free production operation according to ISO 9001:2008 quality management systems.



Starlite® comes with either an aluminium foil or white foil laminate facing.



The Starlite® installation at Makro.


The molten glass is spun into fibres, bonded together with an inert binder and then heat-cured to produce a resilient, non-toxic blanket. Starlite® production does not produce any blowing agents, is CFC-free and has zero ozone depleting potential (ODP).

The aluminium foil or white laminate is glued to the fibreglass base using a specially produced water-based adhesive, ensuring no solvent fumes are released.

ITS TRACK RECORD

Starlite®'s satisfied clients include Pick n Pay, Bidvest, Makro, Zenprop, Toyota, Vodacom, Unilever, UPD, Volkswagen, Old Mutual Properties, Standard Bank, Woolworths, DHL, BMW, NAD, Builders Warehouse and CTM.

Recently completed projects are the Middelburg Mall, Mtuba Mall, Gold Reef Mall, Soshanguve Mall, Laphalale Mall, New Market Mall, Mthatha Mall, Nelspruit Mall, Phokeng Mall, Brackenfell Shopping Centre, Tugela Ferry, Mall of the South, Montague Park Shopping Centre and many more industrial warehouse facilities.

Starlite® is supplied exclusively by D&D Roof Insulations, an industry-recognised thermal insulation specialist and member of the Thermal Insulation Association of South Africa (TIASA) and the Green Building Council of South Africa (GBCSA). 

D&D Roof Insulations
 Tel: 012 800 3606
 Fax: 012 800 3835
 Email: info@roofinsulation.co.za
 Website: www.roofinsulation.co.za





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reasons why Starlite®

is South Africa's no.1 choice of insulation for shopping centres and warehouses

- **Completely non-combustible**, Starlite® is one of the very few insulation materials in South Africa to achieve an A1 fire rating according to the new SANS 428 fire regulations.
- **Eco friendly "green" product**, Starlite® is free of CFC's, HCFC's and is not produced with any blowing agents ensuring it has zero Ozone Depleting Potential (ODP).
- **Highly thermally efficient**, Starlite® has a Thermal Conductivity (K-Value) of 0.039 W/m.K.
- **Excellent acoustic properties**, Starlite® has a Noise Reduction Co-efficient (NRC-Value) of 0.70 at 50mm thickness.
- **Starlite® is chemically inert** and will not cause or accelerate corrosion of steel, stainless steel, aluminium or copper due to its specific inorganic and mineral composition.
- **Starlite® is non-hygroscopic** and will not breed or promote fungi, mould or bacteria nor sustain vermin.
- **Starlite® helps prevent condensation** and is suitable for high humidity applications.
- **Starlite® will provide long term energy savings**, is maintenance free and will not readily age providing exceptional product life.
- **Starlite® offers one of the best comfort-to-cost** ratios on the market.
- **Starlite® is suitable for thermal applications in roofs**, walls and ceilings of all types of buildings and has a working temperature of up to 230°C.



Head Office:

Tel: 012-800 3606 Fax: 012-800 3835

E-mail: info@roofinsulation.co.za

www.roofinsulation.co.za

