



STARLITE™ – AN ECO FRIENDLY “GREEN” ROOF INSULATION MATERIAL

Starlite™ is a very effective thermal and acoustic insulating material designed for Industrial Roofing applications. It uses a lightweight fiberglass insulating blanket, in combination with an aluminium foil/white foil laminate to produce a product which is both efficient and safe.

The fiberglass is produced from molten glass, which is made from natural raw materials such as sand, limestone and soda ash, and the formulation also includes up to 80% post consumer recycled glass. The raw materials are then mixed together and melted in a totally enclosed furnace using a 100% electric melting process. This ensures the complete absence of particulate emissions and exhaust gas fumes for a pollution free production operation.

The molten glass is spun into thousands of fibres, bonded together with an inert acrylic binder and then heat cured to produce a resilient, non toxic, blanket. Traditional fiberglass blankets use a phenolic resin binder in the manufacturing process which does not allow the individual fibres to bend, hence the skin-irritation caused when working with these products. Starlite™ production does not produce any blowing agents, is fully CFC free and therefore does not affect the Earth's stratospheric ozone layer thereby ensuring it has zero Ozone Depleting Potential (ODP).

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

Starlite™ is also the only flexible fibre blanket insulation material to achieve an A1 fire rating according to the new SANS 428 fire testing protocol and is completely non-combustible.



Tel: 012-800 3606 Fax: 012-800 3835
E-mail: info@roofinsulation.co.za
www.roofinsulation.co.za