

Spot Light

Smart Solutions From Supreme

Supreme is a leading company offering a wide and comprehensive range of plastic products in India. They have 29 plants which are powered by leading technology and complement their extensive facilities for research and development of new products.

Different types of insulation

Supreme Industries offers thermal insulation that are appropriate and cost-effective encouraging energy efficiency.



Atul Khanna, General Manager-Insulation Division (Thermal and Acoustic), Supreme Industries Ltd



'INSUreflector' restricts the transfer of far-infrared radiation making it an ideal material to be used for underdeck application

products are necessary in the construction of a building to reduce the heat transferred by conduction, convection and radiation to varying degrees. The primary function of reflective insulation is to reduce radiant heat transfer across open spaces, which is a significant contributor to heat gain in summer and heat loss in winter.

There are many types of materials that reduce heat gain and heat loss. Some materials provide greater resistance than others, depending on the mode of heat transfer: convection, conduction

or radiation. Supreme provides three kinds of insulation material which are INSUshield-closed cell, FR crosslinked polyethylene foam, cellular walls of plastics; fibre glass wool uses glass fibers to reduce convection thereby decreasing the transfer of heat. These materials also reduce heat transfer by conduction due to the presence of trapped air.

Supreme's Thermal Insulation Division offers solutions in the areas of ducting insulation in hospitals,

shopping malls, airports, PEBs, IT/BPO etc. They also provide ideal pipe insulation materials for split AC tubings, chiller piping, drain pipes and chilled water lines.

Apart from these, floor insulation products for server rooms, data centres, medical and diagnostic centres and control rooms for petrochemical plants are also available. Underdeck and overdeck insulation solutions for residential and commercial buildings are also provided

by Supreme.

'INSUreflector' offered is made of polyethylene air bubble film (ABF) laminated with aluminum foil on one or both sides. The bright surface of the aluminum foil reflects 96 to 99 per cent infra-red radiation received by the surface of a heated slate roof. It protects the building from undesirable heat gain. The thin reflective foil having low emissivity and high reflectivity when installed with an air space restricts the transfer of far-infrared radiation making it an ideal material to be used for underdeck application.

'INSUshield' is a non-fibrous, fire retardant, closed cell, tri dimensional chemically crosslinked polyethylene foam XLPE. An ideal environment friendly insulation material, with a perfect solution for all your insulation needs for ducts, roofs, pipes, vessels, etc. The divergent advantages of 'INSUshield' are ease of installation, low thermal conductivity and good moisture and vapour resistance preventing microbial growth and optimum condensation protection.

Contact

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