

INSULKOTE: the coating that water proofs, insulates and breathes.

Insulkote is a high performance acrylic coating specially designed for use as elastomeric coating with a special polymerization chemistry to give permanent flexibility and a superior balance of tensile strength and elongation at break. Insulkote, in addition to these properties, contains a special insulating additive, imported from USA, to achieve remarkable energy efficiency through superior insulation. This works by blocking heat transfer (heat flow) through the surface. Insulkote works by refracting, reflecting and dissipating radiant heat thus reducing heat build-up and heat transfer through building walls, ceilings and roofs.

How does it work?

The ceramic micro spheres in Insulkote create a thermal barrier. These particles refract, reflect and dissipate heat.

Features & advantages:

- Excellent adhesion to concrete and masonry walls.
- Permanent flexibility, toughness and elastic recovery properties.
- Resistant to UV degradation by UV rays giving excellent durability.
- Very effective barrier to carbon dioxide, thereby preventing the rusting of rebars.
- Impermeable to water thus stopping moisture build up in cavity walls.
- Prevents water seepage.
- Anti algae, fungi and mildew.
- Reduction in room temperature by 2-6° C (depends on conditions).
- Thermal insulating property keeps the buildings cool in summer and hot in winter.
- Reduction in energy cost up to 40%.

Application areas:

- Roofs.
- Exterior Walls.
- ACC sheets.
- Cold storage facilities.
- Industrial or commercial structures
- Air conditioning ducts
- Steam pipes and fittings.

Directions to use:

For effective adhesion of Insulkote on concrete or other substrates, it is essential that the surface be clean, dry and devoid of any loose particles. Etching with 5% HCl. followed by rinsing with water to remove acid traces and then drying is highly recommended to ensure better bonding. The surface is scrapped and then hard wire brushed to open cracks if any.

Prime coat: Apply Aquaprime and allow to dry for 2 hours.

Crack filling: All visible cracks should be sealed properly by suitable Sealants.

Insulkote: Insulkote contains ceramic micro spheres and hence to be stirred properly to make a homogeneous liquid. Apply first coat by using brush or roller. Allow to dry for 2-3 hours. Apply second coat and allow to dry.

Typical physical properties:

Type	Pure elastomeric, acrylic containing ceramic micro spheres.
Non volatile %	62%
Elongation	120 - 150%
Drying time:	
Surface dry	20 - 25 minutes
Tack free dry	2 - 3 hours
Hard dry	Overnight
Coverage	60 - 65 sq.ft. / ltr. / coat
DFT per coat	75 - 80 microns
Recommended coats	2
Application	Brush / Roller
Dilution	Water
Clean up	Water
Shelf life	1 year in the unopened container