



Technical Data Sheet

ROOF COOL -Alpha

“Roof Cool-Alpha(Solar Reflective & Water Proof Coating)”

Surface Temperature Reduction upto 16°C during peak Summer

Description

Roof Cool-Alpha is an innovative, two component acrylic based Elastomeric Solar Reflective, Fibre enriched & Water Repellent Coating. The active chemical components (including imported UV protecting chemicals) in Roof Cool-Alpha yield a flexible Solar Reflective and water repellent coating and it minimizes the thermal build up. Roof Cool-Alpha acts like a shield to prevent Roof expansion and contraction besides reducing the chance of Roof Leakage. It lasts long. The product is formulated by us after thorough research and field testing. Roof Cool-Alpha is a mixture of high grade acrylic copolymer as binder, and fibre and specially graded chemicals and selected additives. It dries by evaporation to yield a tough, flexible, non yellowing and water repellent surface. It can also be applied as Top Coat (2coats) on any Waterproofed surface like Concrete, Asbestos, Tiles,

Technical Information

PROPERTIES	SPECIFICATIONS	RESULTS
Solid Content,		68
SRI (Solar Reflective Index) -		High
UV Resistant		Yes,
Weathering :	After 3 years no cracking, chalking and discoloration	
Algae & Fungus Resistant		Yes
Peeling Off :	After 3 years(practical) Free from Peeling Off	
Form	2 part Compound (Powder+Liquid)	
UV Resistant		Yes
Drying Time	Within 30 minutes during Day time when exposed to Sun	

Features & Benefits

- * Solar Reflective. Hence keeps the rooms cooler in Summer
- * Minimizes Thermal Expansion & Contraction of Buildings and hence enhances the life of Roofs.
- * Reduces Room Temperature. Reduces the Working Hours of Air Conditioners & Similar equipment.
- * Water permeability -
Excellent resistance to ingress of water
- * Adhesion -
Excellent adhesion to Concrete, and Cementitious and Roofs and Walls .
- * Abrasion resistance –
Highly abrasion resistive.
- * Weight addition –
Light in weight does not add extra weight over the roof
- * Toxicity –
It is non-toxic in nature.
- * Easy to apply. Can be applied using a Hard Brush.
- * Less Expensive
- * Long Life
- * UV resistant
- * Film thickness – Provides higher dry film thickness of 90 -120 microns after Two coats

Areas of Application

- * Building roofs / terraces – Flat & Sloping and Exterior Walls made of Cementitious materials, Concrete, Asbestos, Tiles etc.

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Method of Application

Surface Preparation: The surface must be free from dust, loose material, paint, oil, or any material which may impair adhesion. Mechanical means such as wire brushing can be used. Wet the surface by sprinkling water minimum one hour before application if the surface is very dry. Roof Cool- Alpha comes in 2 pack system (Powder and Hardener). First open and empty the powder to a bucket and add about 2 litre water (For 4kg package) and mix thoroughly to paste form. Then empty the Hardener to the paste and mix thoroughly to have a emulsion like condition. More water may be added depending upon the surface and temperature. Better first coat early in the morning. Apply with brush at an interval of 2-3 hours between each coat. Allow the coated surface to air cure for 3 days

Precautions & Limitations

All corners, gaps, joints, protrusions & outlets shall be coated with one extra coat. Do not apply when it is raining. At the same time substrate must be in SSD condition for application of first coat. The product is designed only for foot traffic and not vehicular or movement of machinery or equipment. Never Over dilute Roof Cool-Alpha with water for ease of application

Coverage

With 4kg packing about 150 sq.ft (2 coats) can be covered

Other Details

Packing: **12kg & 4kg**

Shelf Life & Storage

Shelf life is 12 months from the date of manufacturing in unopened condition. store in a cool and dry place.

Health & Safety Precautions

Skin Contact: Wash skin with soap & water. remove contaminated clothes.

On eye contact: immediately splash eyes with plenty of water. Consult Physician if irritation persists.

Ingestion: not induce vomiting. never give anything by mouth to an unconscious person. Call a Physician.

General Information:

Flamability of the product; Non-Flammable.

If stored and handled in accordance with standard industrial practices no hazardous reactions are known

Manufactured By:

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