

SwishCoatings Roof Care Range of Products



Cool Roof (Solar Reflective & Water Repellent Coating)

“Surface Temperature Reduction upto 16°C during peak Summer”

Description

Cool Roof is an innovative, two component acrylic based Elastomeric Solar Reflective, & Water Repellent Coating. The active chemical components (including imported UV protecting chemicals) in **Cool Roof** yield a flexible water repellent coating and it minimizes the thermal build up. **Cool Roof** acts like a shield to prevent Roof expansion and contraction besides reducing the chance of Roof Leakage and lasts long and is formulated by us after thorough research and field testing.

Cool Roof is a mixture of high grade acrylic copolymer as binder, and specially graded chemicals and selected additives. It dries by evaporation to yield a tough, flexible, non yellowing and water repellent surface. It can be applied as Top Coat as well as Base Coats on all surfaces such as Concrete, Asbestos, Tiles, Galvalum, Aluzinc and direct coating on Masonry Walls.

Areas of Application

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

Features & Benefits

- Film thickness – Provides higher dry film thickness of 180 to 200microns after three coat application
- Drying Time -Fast Drying -Within 30minutes, second coat can be applied if exposed to direct sunlight
- Suitability - can be used for flat as well as sloping roofs
- Strength - higher bond strength with cementitious substrates as well as metal surfaces
- Resilience – Forms highly elastic & resilient coating so helps to withstand the structural movements
- Durability – Resistant to UV and Weather conditions
- Abrasion resistant – no additional protective coating is required for roof subjected to foot traffic
- Easy to Apply – Can be applied by brush easily
- Weight addition – light in weight does not add extra weight over the roof
- Toxicity – it is non-toxic in nature and Lead Free
- Minimizes Thermal Expansion & Contraction of Buildings.
- Reduces Room Temperature.
- Reduces the Working Hours of Air Conditioners & Similar equipment.
- Leads to Lower Power Consumption a Saves Money on Electrical usage.
- With 4kg of **Cool Roof** pack about 110sq.ft area can be covered –3 Coats
- Less Expensive
- Breathability – it is breathable

TECHNICAL DATA SHEET

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Method of Application

1 SURFACE PREPARATION

Surface Preparation: On Concrete Roof or ordinary walls, 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. Finally vacuum cleaning of all loose solids and liquids can be done if required. All surface cracks should be made wide at the surface and wet the surface of the crack with hardener by paint brush before applying Crack Sealant in a thick paste form.

Apply **Cool Roof -3Coats** after proper mixing and dilution with water by brush at an interval of 2-3 hours between each coat. Allow the coated surface to air cure for 3 days

MAINTENANCE & RECOATING OF Cool Roof

Over a period of time or some years, of **Cool Roof** on exposure to weathering or extreme temperature variations, it is extremely easy to re-coat over it again, only one coat of application of **Cool Roof** is enough to extend the life for another couple of years

POST APPLICATION MAINTENANCE

Clean the surface once in a month with water; Do not Dump any materials on the surface

Precautions & Limitations

- All corners, gaps, joints, protrusions & outlets shall be coated with two extra coats.
- Do not apply during rains; substrate must be in SSD condition for application of **Cool Roof** Coat.
- The product is designed only for foot traffic and not vehicular or movement of machinery or equipment.
- Do not apply **Cool Roof** over expansion or moving joints
- To achieve the full proof waterproofing, parapet walls should be covered with **Cool Roof**
- Never Over dilute **Cool Roof** with water for ease of application

General Information

Physical state / form..... Two Part (Powder+ Acrylic based Hardener)
 Colour..... White
 Odour.....Slight
 Flammability of the Product: Non-flammable.
 Stability and reactivity
 General Information:
 If stored and handled in accordance with standard industrial practices no hazardous reactions are known

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Technical Information

| PROPERTIES | SPECIFICATION | RESULTS |
|--------------------------|--|---|
| Solid Content, | | 68 |
| UV Resistant | | Yes, |
| Weathering | After 3 years(practical) | no cracking, chalking and discoloration |
| Algae & Fungus Resistant | | Yes |
| Peeling Off | After 3 years(practical) | Free from Peeling Off |
| Drying Time | Within 30minutes during Day time when exposed to Sun | |

Other Details

Coverage With 4kg of **Roof Cool 018** pack about 600sq.ft area can be covered –Single coat (As Top Coat)

Packing 4kg
 Shelf Life & Storage
 Shelf life is 12 months from the date of manufacturing in unopened condition. store in a cool & ry 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.

Other Products Categories Available - Roof Care range of Products for Construction Industries.

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