

HPC99TM

HEAT PROOF COMPOUND



देश का सबसे ठंडा और टिकाऊ हिट प्रूफिंग केमिकल

Description

Engineer Plus HPC-99 is a matchless heat proof compound which wonderfully works on masonry surface. It stops heat penetration and keeps cool by reflecting more than 90% heat of the sun from surface. It makes you comfortable to walk on, to live with and to save electric energy. It keeps water cool in any type of water storage tank.

Area of Application

- Terrace of Commercial Buildings/Offices
- Hospitals
- Shopping Malls
- Home
- Apartments
- Oil Storage Tanks
- Factories
- Sintex tanks / water tanks and pipe lines
- Any type of old or new sheets and RCC roofs

FEATURES & BENEFITS :

- ✓ Heat Insulation - Reduces the conductivity of heat from exterior to interior, thus lowers the temperature.
- ✓ Solar Reflectance - 83.8% solar reflectance (ASTM E-903), re-radiated heat back to atmosphere
- ✓ UV and IR resistant - Resistance to UV & IR emission, protects coating from damage and reduces heat conductivity.
- ✓ Energy Saving - Reduction in electrical consumption for air-conditioners, saves energy cost.



Features & Benefits

- Very low heat penetration.
- Very high heat reflection.
- High resistance to ultra violet light.
- Considerable decrease in room temperature and electric consumption.
- High heat stability (between 0°C to 90°C).
- High freeze thaw stability.
- Good weathering characteristics.
- Excellent adhesion to most building materials and no need to cure.
- It produces excellent result on almost all absorbent mineral substrates by increase durability, toughness, flexural and bond strength.
- Excellent elastomeric and crack bridging capability.
- Very low water absorption.
- Resistance to high alkali, sulphates and salts.
- Low dirt pick up.
- Anti corrosive, protects reinforcement steel and increase life of building.
- Anti-Fungal, Anti Microbial.
- Economical
- Safe, eco-friendly, hygienic.

Method of Application

- Clean the surface by rubbing with wire brush and other tools as per required to remove dust, fungus, grass root, rust, tar coal & loose material.
- Wash with clean water. Repairing of Cracks work will be carried out as per requirement on terrace.
- Apply 1st coat of HPC-99 layer for Heat proofing & mix with water in the ratio of 1:0.5 kg.
- Then apply 2nd & 3rd coat of Pure HPC-99 layer for giving Final touch of Heat proofing.

Coverage

- 3 Coats 25 sq. ft./kg.

Save Water & Electricity

Technical Data Sheet

PROPERTIES	RESULTS
Appearance	Free, flowing, homogeneous & uniform paste
Colour	Ultra White
Solid Content %	>60%
Sp. Gravity	1.1 to 1.2
SRI value %	120 to 125
Total solar energy rejected	95%
Elongation, %	200
Thermal Conductivity	0.029 w/mk

