



# SMAC<sup>®</sup> ELASTOBOND

## ELASTIC HEAT REFLECTIVE COATING

### DESCRIPTION

**SMAC<sup>®</sup> ELASTOBOND** is an elastomeric heat reflective coating made from a blend of super-polymer emulsions modified with Multi-ceramic and Nano-technology based chemicals. It is an elastic coating which waterproofs & protects roof slabs, walls etc against excess heat, mild chemicals & cracking related leakages.

### ACTION MECHANISM

**SMAC<sup>®</sup> ELASTOBOND** is a liquid formulation which is an organic polymer combination fortified with multi-ceramic & nano-tech based chemicals. Because of the nature of chemicals in the formulation, heat is effectively reflected from the surface treated & temperature rise is reduced. The coating forms a weather & waterproof barrier over the treated surface. Further, the flexibility of the coat takes care of future cracking, if any, in the substrate.

### ADVANTAGES

- Elasticity up to 300%
- Heat reflective nano-tech barrier; Cooling load is reduced
- Highly water resistant and water repellent
- Waterproof
- Lets the substrate “Breathe”; Indoor condensation minimal
- Sulphate and Chloride penetration resistance
- Anti-fungal property prevents defacement

### TECHNICAL DATA

- Base : Special Polymer Blend Emulsion with Multi-ceramic & Nano-tech chemicals
- Solid content : 50±2%
- Colour : White or as per customer requirement
- Viscosity : 250-500 cps
- pH : 8.5±0.5.
- Flexibility : 300%
- DFT in two coats : 1000 micron
- Recommended coats : Two

## APPLICATION PROCEDURE

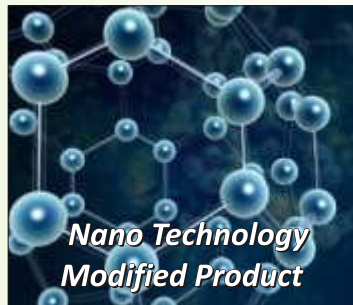
While applying **SMAC<sup>®</sup> ELASTOBOND** coat, surface preparation is the most important part. Remove all the loose materials to expose the base surface of the wall. Wash the surface with plenty of water. A 10% muriatic acid solution wash should follow. Again wash the surface with plenty of water. Let the surface dry to SSD (saturated surface dry) condition. Fill all the cracks, honey-combs, voids etc using cement mortar or our **BONDCRETE RP** repair compound. Apply a coat of **SMAC<sup>®</sup> ELASTPREMIER** for wall or two coats of **SMAC<sup>®</sup> BONDCRETE HR** slabs liberally by brush over the surface. Allow the surface to be touch-dry. Apply a coat of **SMAC<sup>®</sup> ELASTOBOND** on the primed surface by brush. Care must be taken to ensure a uniform coat without brush marks. The second coat should be applied after the first coat is dry to touch. The second coat should be applied perpendicular to the first coat. Protect the treated surface for 48 hours from direct water splashes, scratching & other disturbances. Wash all the tools with water & soap.

## COVERAGE

5-6 sq. m. per kg on vertical and 2-2.5 sq. m. on horizontal surface in two coats depending on absorption and roughness

## APPLICATION AREAS

- Concrete flat & sloping roof slabs
- Exterior walls
- Parapet walls
- AC sheet roofing
- Mineral substrates



## PACKING

1 kg., 5 kgs. & 20 kgs. HDPE containers

## SHELF LIFE

12 months in original sealed container

*Disclaimer:* The information given in good faith is based on our in-house testing & site results. However, we do not guarantee the same as the conditions of actual use are beyond our control.

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