

## HEAT RESISTANT WATERPROOF COATING

### DESCRIPTION

**SMAC<sup>®</sup> BONDCRETE HR** is a super-polymer modified heat resistant waterproof coating for cementitious substrates. It is a Nano-technology and Multi-ceramic technology based high performance surface coating, specially tailored for Indian climatic conditions.

### WORKING PRINCIPLES

When **SMAC<sup>®</sup> BONDCRETE HR** is applied on cementitious surface, Nano-technology based Intelligent Chemicals react with cementitious materials and the nano-particles penetrate into capillaries. There, these reaction complexes & nano-phases create hydrophobicity.

Multi-ceramic technology based particles remain active on the top and bottom surface of the formed coating. This ceramic particle layer is 100% inert and non-conductive in nature. Hence **SMAC<sup>®</sup> BONDCRETE HR** treatment gives high water resistance as well as heat resistance property.

### APPLICATION PROCEDURE

First remove all loose particles and remove oil, grease and other loose materials contaminated on the surface. Clean the surface by water. Fill all the cracks, honey-combs, voids etc using cement mortar or our BONDCRETE RP repair compound. 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. Apply one coat of **SMAC<sup>®</sup> BONDCRETE HR** by brush. Second coat should be applied when the first coat is slightly tacky to touch, preferably in a perpendicular direction to the first coat.

### COVERAGE

Approx. 20 sq.ft. in two coats on horizontal surface and 30 sq.ft. in two coats on vertical surface.

### ADVANTAGES

- Heat reduction up to 20% from treated roof slab
- Excellent waterproofing qualities
- Allows "breathing" of cementitious substrate; minimizes condensation
- Excellent Ultra-violet radiation stability
- Excellent bond with common building materials like plaster, concrete, china mosaic, tiles etc.

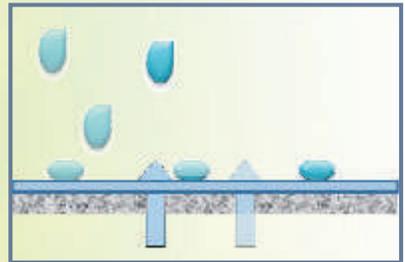
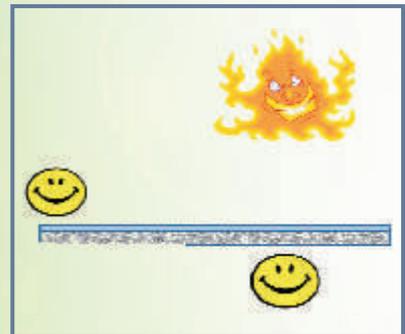
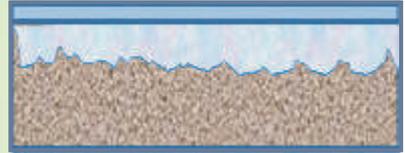
# SMAC<sup>®</sup> BONDCRETE HR

## APPLICATION AREAS

- All cementitious surfaces
- China chip surfaces e.g. parapet wall, slabs etc.
- New & Old terrace slabs
- Exterior walls

## PARKING

- 1 ltr, 5 ltr & 20 ltr HDPE containers



*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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**SM**  
ADHESIVES

**FACTORY :**  
Plot No. B-82,  
Lote M.I.D.C., Ratnagiri,  
Maharashtra - 415 722.

**MUMBAI OFFICE :**  
Shop No. 4, Ganga Bhuvan,  
SRPS Road, Opp. Chetan Apts.,  
Bhandup (W), Mumbai.