

**Ressi TA HPA** is a pure acrylic high-performance heat reflective and waterproofing tile adhesive. **Ressi TA HPA** is specifically designed to dissipate and reflect solar radiation by providing a protective coating and acting as a tile adhesive. **Ressi TA HPA** can be used on various substrates like concrete, metals, timber, asbestos boards, cement, brickwork etc. Typical areas of applications include roofs, silos, storage tanks, external walls, etc. **Ressi TA HPA** is an ideal adhesive to be used with a variety of tile such as ceramic, porcelain, glass, plastics, and many other special types of tiles.

## ADVANTAGES

- ✓ Works both as a heat insulation and a tile adhesive.
- ✓ Reduces loads on air conditioning units.
- ✓ Flexible crack bridging coating.
- ✓ Non-toxic, can be used in a confined area.
- ✓ Anti-carbonation agent for concrete surfaces.
- ✓ Anti-corrosive agent for steel surfaces.
- ✓ Reduces thermal stress on the coated surface.
- ✓ Does not support fungal or bacterial growth.
- ✓ Also acts as a waterproofing coating.
- ✓ UV resistant.

## TECHNICAL DATA

Component	Single
form	Viscous Liquid / Paste
Color	White
*Viscosity	200,000 Cps ± 50,000 cPs
*Solid Content	65% ± 3%
*Drying Time	40 – 50 Mins
*Full Cure	Minimum 7 Days
*Bond Strength	>1 N / mm <sup>2</sup> @ 7 Days
*Initial Water Absorption	> 98% Over Control
*Crack Bridge ability	No Crack at 1mm Width
*Elongation	> 250 %
*UV Resistance	No Affect or change in color after 300 Hours.

\*Typical results under laboratory conditions

## SURFACE PREPARATION

All loose particles & oil shall be cleaned off the surface prior to the application. Application on most type of cementitious surfaces like block work, concrete and rough plastered surfaces is possible. The surface should be sufficiently aged (At least 7 days for newly erected masonry surface & freshly plastered surface) before the installation of the tiling may begin. It is also recommended that expansion joints should not be tiled over, & suitable treatment should be done over them. Defective and unsound surfaces should be repaired before the installation of the tiles. It is also important to ensure that there is no dust at the backs of the tile, otherwise it may cause hollow sounds and improper adhesion of the tiles to the substrate.

## APPLICATION

Material should be spread on the prepared substrate at a required thickness using a notched trowel. The size of the notch will depend on the type of tile and the substrate it is being applied on. To ensure good contact with the adhesive bed, place the tiles firmly. The application should take place within the specified working time of the tile adhesive. Spacing between the tiles should be done as per requirement. Use a damp cloth to remove excess adhesive from the tile surface before the material has set.

## PACK SIZE

Ressi TA HPA is available in 2KG and 20 KG Packs.

## COVERAGE

240 SFT / 20 KG @ 0.5mm Thickness Approx.

The given coverage is approximate, actual test on site should be conducted to determine actual coverage and the compatibility between

## SHELF LIFE

12 Months from date of manufacture when stored under warehouse conditions in original unopened packaging. Extreme temperature / humidity may reduce shelf life.

## HEALTH AND SAFETY

Ressi TA HPA is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

## NOTE:

Prior to the use of **Ressi TA HPA**, A compatibility test should be conducted prior to application and recommendation of the material. Since this is a water-based material, the viscosity of the material can be adjusted as per site requirement by adding potable water to the mix.