

Technical Data Sheet



Ressi TA HPA
Single component heat resistant highly flexible waterproof tile adhesive

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.

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
*Specific gravity	1.20 ± 0.02
*Solid Content	65% ± 3%
*Drying time	40 – 50 Mins
*Full Cure	Minimum 7 Days
*Bond Strength	> 1 N / mm ² @ 28 Days
*Initial Water absorption	> 98% Over Control
*Crack Bridge ability	No Crack at 1mm Width
*Elongation	> 160 %
*UV Resistance	No Affect or change in color after 300 Hours.

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Surface Preparation

All loose particles and 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 and freshly plastered surface) before the installation of the tiling may begin. It is also recommended that expansion joints should not be tiled over and 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 thickness of 3mm to 5mm using a notched trowel. 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. It is recommended to leave a minimum space of 2mm between each tile. Use a damp cloth to remove excess adhesive from the tile surface before the material has set.

Pack size

20 KG

Yield

11 Ltr / 20 KG Material

Coverage

40 SFT / 20 KG @2.5mm Thickness Approx.

Shelf life

06 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.

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