



TA C-1 Economy

High performance polymer Modified
Non Slip Adhesive

Pack Size
25Kgs, 20Kgs

TDS
Technical Data Sheet



Description

TA C1 ECONOMY is a grey, polymer-modified adhesive designed for fixing porous clay and ceramic tiles of small format on walls and floors in interior dry situations over cement-based substrates.

Standards

Conforms to IS 15477: 2019 Type 1T "Adhesives for use with Ceramic, Mosaic, and Stone Tiles."

Features

- Polymer-modified adhesive
- Easy mixing and application
- Suitable for concrete and plaster surfaces
- Enhanced flexibility and adhesion can be achieved with the addition of Cretebond

Suitable Substrates

Cement sand screed Cement plaster

Physical Properties @27±2°C

Bed Thickness:	Up to 6 mm (suitable up to 12 mm in areas of limited extent)
Pot Life:	15 hours
Setting Time:	24 hours
Temperature Resistance:	-30°C to 150°C

Properties as per IS 15477:2019@27 ± 2°C

Tensile Adhesion Strength (as per Annex A)Dry Condition:	>0.70 N/mm ² (Min. Requirement: 0.5 N/mm ²)
Shear Adhesion Strength (Dry Condition):	>1.00 N/mm ² (Min. Requirement: 1.00 N/mm ²)
Open Time:	10 minutes

Adjustment Time:	5 minutes
Slip:)	0.45 mm (Max. Requirement: <0.50 mm)

Coverage Estimates

Approx. 1.45 - 1.55 kg/m²/mm

Square Notch Trowel Size & Consumption/m² (at 45° angle of trowel)

6mm x 6mm: 3.15 - 3.35 kgs

8mm x 8mm: 4.2 - 4.45 kgs

12mm x 12mm: 6.3 - 6.65 kgs

Note: Coverage will depend on the nature and flatness of the surface and the method of application. For good coverage, it is vital that all surfaces are smooth, plumb, level, and free from defects and undulations.

Application Instructions

Substrate Preparation

Ensure the base is sufficiently flat to permit the specified flatness of finished tiling, suitable for tiling under service conditions, and dry, clean, and free from loose material and contamination.

Mixing

Add 20 kgs of TA C1 ECONOMY to 3.55 to 3.65 liters of clean water. Mix thoroughly until a homogeneous, lump-free consistency is obtained. Allow the mixed adhesive to polymerize for 2-5 minutes and mix again for 30 seconds. The adhesive is ready for use and has a pot life of 1.5 hours. No further water should be added. For volume mixing at the site, the ratio is 1:3.5 (water: powder). When using latex additives, use 1 liter of ADMIX AD 1 with 2.55-2.65 liters of water per 20 kg of adhesive.

Application

Spread only the area that can be tiled within the adhesive's open time. Apply the mixed adhesive to the prepared surface with a trowel and comb through with a square-toothed notched trowel. Fix the tiles within the adhesive's open time and press into place with a twisting and sliding action to ensure solid bed fixing. Check periodically for good contact. If a skin has formed on the adhesive, remove it and apply a fresh layer. Leave adequate joints between individual tiles unless using self-spacing tiles. Clean off excess adhesive from the tile surface and joints.

Note

Do not use in damp conditions or temperatures below 5°C. For large-span tiling works, leave movement joints at every 3-meter interval and fill with a flexible sealant as per BS 5385. Prevent foot traffic until the adhesive has completely set.

Spacers

Use spacers (minimum 2 mm) for uniform joint width.

Grouting

Grouting should be carried out after 24 hours. Use appropriate cementitious or epoxy grout. Epoxy grout is strongly recommended for locations requiring hygiene and chemical resistance.

Cleaning

Clean tools and containers with clean water while the adhesive is still fresh. Remove hardened adhesive mechanically.

Storage and Shelf Life

TA C1 ECONOMY has a shelf life of 12 months when stored in normal dry conditions.

Precautions

Keep out of reach of children. Wear suitable protective clothing, gloves, and eye/face protection. Wash skin immediately with plenty of clean water after contact. In case of eye contact, rinse immediately with plenty of clean water and seek medical advice. Refer to the relevant Material Safety Data Sheet for more details.

Conditions of Sale

Sold subject to the Company's conditions of sale, available on request.

Note

The information provided in this datasheet is based on extensive experience and given in good faith to assist you. Our Company policy is one of continuous research and development; therefore, we reserve the right to update this information at any time without prior notice. We guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage arising from such conditions

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Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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