

ACEFIX 5STAR



*High performance
Thinset adhesive*



PRODUCT DESCRIPTION:

Premium grade thinset adhesive designed for installation of small to medium format (up to 2ftX2ft) vitrified tiles on interior wall and floor. It offers high bond strength and excellent handling property for a wide variety of floor and wall application. It can also be mixed with Acemix 2C Latex admix for enhanced performance like flexibility, additional workability and better bonding strength. While mixing, replaced part of water with small quantity Aceproof Integral Waterproofing Additive will give good water resistance property to the system.

ADVANTAGES:

- Premium grade, strong bonding
- Superior quality, Easy to fix
- Suitable for both floor and wall
- Good workability, additional adjustment time
- High performance, low shrinking
- Complies to National and International Standards (IS 15477:2004 / EN12004 / ANSI A 118.1)

APPLICATIONS:

- Interior application for floor and wall.
- Can fortify with Acemix 2C Latex admix for exterior application and improved performance.

SUITABLE SUBSTRATES:

- Cement floors or plaster
- Cement bed
- Terrazzo

AVAILABLE PACK SIZE:

Available in 20 kg and 30 kg bags in grey colour

SHELF LIFE:

12 months if stored in cool and dry area in unopened bag. Shelf life is calculated from the month of manufacturing of the product.

STORAGE AND HANDLING:

Store in cool and dry area in unopened original bag

SURFACE PREPARATION:

Surfaces must be structurally strong. Remove all grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent good bonding. Glossy or painted surfaces must be sanded, or abraded, and stripped off all contaminants. Concrete or plaster must be cured 28 days prior to bonding unless it is made with Acescreed or Aceplast. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a course finish to enhance the bond. Roughen the surface by sanding or abrading, then rinse and allow to dry. Expansion joints should never be bridged with setting material. Surface temperature should be maintained above 10° C or below 38° C to achieve proper bond. For questions about proper installation, call Technical Services executives on +91 963 260 5577.

MIXING PROCEDURE:

Use 4.5 – 5 ltr of water or Acemix 2C latex admix for 20 kg powder. Take liquid in a 20 ltr clean pail and pour powder slowly to the pail under slow mixing. Mix by hand or use a low speed drill mixer (150 – 200 rpm speed) to achieve a smooth, paste-like consistency. Let the homogeneously mixed adhesive mixture slake or stand 5 - 10 minutes, stir again and use. Stir occasionally, but do not add more water. When properly mixed, troweled ridges will stand without slump.

APPLICATION PROCEDURE:

Use a required size notch trowel to ensure proper coverage under tiles. Using the flat side of the trowel, apply a skim coat of mortar to the surface. With the help of properly notched or teeth side of the trowel held at a 45° angle, apply additional mortar to the surface, combing in one direction. Press the tile firmly into place in a perpendicular motion across ridges, moving back and forth. The perpendicular motion flattens ridges and closes valleys, allowing maximum coverage. With some tile, back-buttering is advisable. Adjust the tile promptly and beat it in with a beating block and rubber mallet. Periodically pull up a tile and check the back to ensure proper adhesive coverage. If the material has skinned over, recomb with the notch trowel. If too dry, remove and replace the dry material with fresh material. Material in the bucket will remain workable for approximately 3- 4 hours.

PROTECTION OF JOB SITE:

Curing time is affected by ambient, surface temperatures and humidity. Generally, light foot traffic can be allowed in 16 hours at 25°C, normal foot traffic in 24 hours and heavy foot traffic in 7days after installation.

CAUTION:

- Store in cool and dry place.
- High humidity or moisture will affect the product.
- Once bag is opened, then finish it off without keeping for long time.
- This product contains Portland cement and free silica. Avoid eye contact or prolonged contact with skin.
- Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician.
- Do not breathe dust; wear PPE whenever necessary

COVERAGE:

Approximately 3 sft per 1 kg for 3 mm bed thickness. Coverage will vary depending on surface undulation and application variances.

TECHNICAL DATA

Mixing ratio	4.5 to 5 ltr for 20 kg powder
Open time	Approx 20 min
Adjustment time	Approx 20 min
Pot life	Approx 4 hrs
Tensile Adhesion strength (28 days)	Minimum 250 PSI (1.75 N/mm ²)
Shear bond strength (28 days)	Minimum 300 PSI (2 N/mm ²)
Compressive strength (28 days)	Minimum 3500 PSI (24.5 N/mm ²)
Duration for light foot traffic	6 hrs
Duration for normal foot traffic	16 hrs
Duration for heavy foot traffic	24 hrs
Duration for grouting	24 hrs

Values may change without prior notification and may not reflect immediately on TDS. Values shown in the table depends on laboratory condition and test procedure used. Actual performance may vary at site depending on site condition and method of installation used. Company is not liable if failed to produce mentioned result in the site.

EASY MAINTENANCE:

Properly installed product requires no special maintenance.

WARRANTY

Acrete Adhesions India Pvt Ltd warrants to the original purchaser that its product shall be free from defects in material for a period of one year from the manufacturing of the product. Our sole liability under this warranty shall be limited to the replacement of our purchased product if proved defective under normal handling as stated in the TDS. This warranty will not extend to any other product or items which were handled along with our product. This warranty or any other legal issues or claims are subject to Mangalore jurisdiction only.

GROUTING:

Grouting can be done after 24 hrs of installation of tiles. Use Acegrout superfine series grout for up to 3mm joints and Acepoxy coarse series grout for 3 - 12 mm joints. Use Acepoxy Epoxy grout for stain and chemical resistance. Please call customer service executive for more information.

CUSTOMER SERVICE:

For any query related to product availability, cost, coverage, applicators, installation instructions, problems and trouble shooting, contact customer service executive on our 24 X 7 customer help line +91 963 260 5577 or write email to customercare@acebond.in

For product or other information, please write us to info@acebond.in

Visit us at www.acebond.in

DECLARATION

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided since conditions of use, application method and surface preparation at site are beyond our control. All legal issues are subject to Mangalore jurisdiction only.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.