

**ACEFLEX**

**ULTRA**



*Super flexible  
facade adhesive*



**PRODUCT DESCRIPTION:**



A brilliant, single component, water resistance thin-bed wall and floor tile adhesive that remains flexible after curing. It is designed particularly for substrates which are subject to some movement like expansion, contraction or vibration. It is suitable for all kind of tiles including glass, porcelain, engineered marbles etc and natural stones to bond over most demanding and difficult-to-bond dry wall substrates for interior and exterior applications. It does not have any height limits for tile installation.

**ADVANTAGES:**

- Single component, just add water at site. No any additives required
- Excellent quality, Easy to fix, tile does not slip
- Suitable for both floor and wall, interior and exterior and submerged application
- Excellent handling characteristics through extended open and adjustment time
- Ideal for all type of tile and stones, suitable for tile on tile, tile on glass or vice-versa
- Outstanding flexibility with high strength for most difficult-to-bond substrates
- Easy mixing with liquid, nice consistency
- Very good mechanical property

**APPLICATIONS:**

- Interior and exterior applications for floor and wall
- For dry wall board like gypsum, calcium silicate, cement particle board, glass tile, large format porcelain, ceramic and all type of natural stones.

**SUITABLE SUBSTRATES:**

- For facades, tile on tile and submerged application
  - Cement floors, concrete bed
  - Masonry
  - Ceramic tiles and stones
  - Plaster
  - For most categories dry wall boards

**AVAILABLE PACK SIZE:**

Available in 20 kg bags in grey & white 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 Premium. 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 for mixing 20 kg powder. Take water 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 7 days 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 35 min
Adjustment time	Approx 35 min
Pot life	Approx 4 hrs
Tensile adhesion strength	Minimum 500 PSI (3.4 N/mm <sup>2</sup> )
Shear bond strength	Minimum 650 PSI (4.5 N/mm <sup>2</sup> )
Compressive strength	Minimum 5000 PSI (34.5 N/mm <sup>2</sup> )
Duration for light foot traffic	6 hrs
Duration for normal foot traffic	24 hrs
Duration for heavy foot traffic	72 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.

Properly installed product requires no special maintenance.

**EASY MAINTENANCE:**

**WARRANTY**

Acrete Adhesions India Private Limited 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 up to 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](mailto:customercare@acebond.in)

For product or other information, please write us to [info@acebond.in](mailto:info@acebond.in)

Visit us at [www.acebond.in](http://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, method of application 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.