

Technical Datasheet

ADHCRETE SLURRY BOND ADHESIVE

PRODUCT DESCRIPTION

It is an economical polymer modified cementitious powder that is mixed with water to form free flowing adhesive slurry for installing ceramic and vitrified tiles on fresh cement-based screeds (wet on wet application). It can be used with ADHSCREED for engineered cement that is economical and has better fixing system than traditional cement.

APPLICATION

Designed specially for installing ceramic and vitrified tiles on fresh cement based screed in interior and exterior floors and installation of ceramic and vitrified tiles over concrete and variety of substrates floor and wall interior and exterior application

Advantages

1. Outstanding Quality, Easy to fix
2. Free flowing eliminates trowelling
3. Longer adjustment time, Very strong bond strength
4. Use on floor in interior and exterior
5. Long working time
6. Non shrinking and superior performance
7. Water resistance
8. Polymer modified to provide a strong bond onto tiles

Suitable substrates

1. Cement Mortar bed
2. Cement Floor

Pack Size Availability

20 kg and 30 kg

Coverage

60 to 70 sqft for 20 kg bag for an applied thickness 2mm

Caution

- Store in cool and dry place
- High humidity and moisture will affect product property
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Protect finished work from traffic or damage by other trades for an extended period of time during cold weather conditions. At room temperature conditions 70°F (20°C), protect overnight.
- Keep out of reach of children.

Technical Data and Application Properties*at 73⁰ F(23⁰C) and 50 % relative humidity

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| Shelf Life – 1 year(if it is stored in cool, dry place in original pack Water demand* – 8 litres for 20 kg powder Open Time-Approx*20 min Pot Life*- Approx*4 hours Shear bond strength porcelain tile (28 days)-minimum 300PSI Shear bond strength porcelain tile in water immersion(28 days)- Minimum 190 PSI Compressive Strength(28 days)-Minimum 2850 PSI Time for heavy foot traffic-24 hours |
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* Specifications subject to 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 field performance may vary on site condition and method of installation used. Company is not liable if failed to produce mentioned result in the site.

Installation

SURFACE PREPARATION

Proper surface preparation is essential for the correct installation of any floor covering. Surface must be structurally sound, smooth, and dry. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dust grease, loose material and any other contamination, which may interface with good bond. Surface temperature should be maintained between 10⁰C to 38⁰C for good adhesion. Rough or uneven concrete surface should be made smooth with ADH screed autocure for better finish. Installation can be made on wet screed surface. New concrete slabs shall be cured for 28 days before application.

MIXING

The standard mixing ratio is 8L for 20 kg. Put clean water in the mixing container first, then add ADHCRETE Slurry bond adhesive. For best result, mix with mixing paddle and 1/2” heavy –duty drill. To mix by hand, use a margin trowel and mix vigorously mix with hand or slow speed mixer until it’s obtain a homogeneous lump free flowing consistency . Let the properly mixed adhesive to slake for 5 to 10 minutes. Remix again for 2 minutes and apply

Application procedure

Pour ADHCRETE Slurry bond adhesive over fresh ADHscreed AUTOCURE. ADHCRETE Slurry bond adhesive can be applied directly on the cement based screed while it is still fresh. Spread the slurry uniformly to form a thickness of 2mm. Position tiles in to wet sticky adhesive bed and press the tile firmly in a perpendicular motion across ridged moving back and forth because it is allowing maximum coverage. Adjust tile promptly and beat in with a beating block and (wooden hammer) rubber mallet.

Periodically pull up tile & check back to ensure proper adhesive coverage and bedding adhesive transfer on to back of tile.

Only apply as much adhesive mixture as can be covered with tiles within a open time. Check open time by touching the adhesive bed with your fingertip because open time will be vary depends on temperature and humidity.

Excess adhesive must be removed from the surface of the tile and clean with wet cloth or sponge while adhesive fresh and has not hardned.

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Grouting

Allow to cure 24 hours before grouting or light traffic, depends upon temperature & humidity. Adhcrete super fine series or coarse series grout with Adhcrete ADHmix TG is recommended. For high stain resistant use ADHCRETE 3000 series epoxy grout.

Cleaning equipment

While mortar is fresh clean the tile and tools with water.

Maintenance

Properly installed material not required specific maintenance.

Warranty

ADHCRETE CONSTRUCTION TECHNOLOGY INDIA PVT LTD warrants to the original purchaser of this product shall be free from defects and will not breakdown under normal usage for a period of one year from the date of manufacturing. Our sole liability under this warranty shall be limited to the replacement of purchased product if proved defect under normal handling as stated in TDS. This warranty will not extend to any other company product or items which were handled along with our product. This warranty or any other legal issues or claims subject to kundapura jurisdiction only.

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