

Technical Datasheet

ADHCRETE 3000 Series epoxy Grout

PRODUCT DESCRIPTION

Product Description

ADHCRETE Epoxy 3000 series is solvent free, three component high performance, 100% solid epoxies and aggregates. It contains PART A and PART B in pail and PART C in separate pouch. ADHCRETE EPOXY 3000 Series is non-sagging easy to use uniform in colour and colour fast. It is exceptionally stain resistant, impermeable and non-flammable.

ADHCRETE 3000 series epoxy grout is a very resistant to acids, alkalis and most solvent and offer maximum protection against staining and chemical attack from food, beverages, chemicals and cleaning agents. ADHCRETE 3000 series epoxy grout is not affected by prolonged contact with water and has high temperature resistance.

Areas to use

- Interior & exterior applications
- Continuous immersed applications, pools, spas and steam rooms.
- Industrial, commercial, processing plants, restaurants and commercial kitchens
- Installations requiring high acid and chemical resistance
- Installations requiring clinical sanitation, hospitals laboratories and veterinary clinic

Advantages

- Uniform colour.
- Easy mixing & application
- Non-shrinking and non-cracking
- Water and weather resistance
- Chemical and thermal resistance
- Hard and durable
- Stain free
- Easy maintenance.
- Available in attractive range of colour and many more customised colour

Pack size availability

Adhcrete 3000 series is supplied with mixing proportion carefully measured kit with PART A (Resin) Part B(hardener) , and Part C (Filler Powder)

Unit	Net Weight
1/5 th unit	1 kg
1 full unit	5 kg

Coverage

Tile Size & Joint Width(mm)	3000 SERIES Epoxy Grout (FOR 5 kg kit in sq. Ft.)						
	2 MM	3 MM	4 mm	6 mm	8 mm	10 mm	12 mm
100*100*3	290	210	150	100	75	60	50
150*150*4	325	225	165	110	80	70	55
200*150*5	300	200	150	100	75	60	50
200*200*5	350	230	175	120	90	70	60
200*300*6	340	230	175	120	90	70	60
300*300*6	435	300	220	150	110	90	75
400*400*6	575	380	290	200	150	120	100
450*450*7	550	375	280	190	140	110	100
500*500*8	550	365	270	180	140	110	90
600*600*8	650	440	325	220	160	130	110
Coverage shown in the chart only for reference actual may vary depends on site condition							

Shielf life

36 months if stored between 0^oC to 43^oC in factory sealed container

Limitation

- Do not alter the mixing ration Part A Part B & Part C
- Light colour may darken slightly from direct UV exposure
- Should not be used in an environment with temperature requirement 100^o

- All epoxies are temperature sensitive epoxies are easy to apply when temperature between 21⁰C to 29⁰C. Lower temperature will cause epoxy to become stiff and extend the initial set. Higher temperature will cause to become fluid, will accelerate the set.
- Not recommended for some manufacturing facilities where heavy solvents are used. Consult technical services on questionable installations
- Actual colour may slightly vary compare to grout shade card when colour consideration is critical, mock-up should be constructed prior to final selection and application
- When used to install tile in an area that will be continually wet (e.g. swimming pools, fountains, etc.), it is recommended that the complete installation be cured 14 days prior to full submersion with chemically treated water.

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

Water cleanability-	>80 min
Initial Setting –	180 min
Service Setting-	<7 days
Compressive strength -	> 7500 psi
Tensile Strength	- >1500 psi

* 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

Grout joints must be clean ,dry and be free from any excess adhesive or foreign material and not subjected to the temperature less than 16⁰C or more than 36⁰C. It may be necessary to take excess adhesive from the grout joints to ensuring a maximum and uniform grout joint depth is achieved. For porous or unglazed tiles, it may be necessary to dampen the joints prior to application. It is recommended that porous tiles be sealed prior to grouting to avoid staining. Tile spacers must be removed prior to grouting.

Mixing

Pour entire contents of Adhcrete 3000 series epoxy Grout Part A and Part B container into a clean mixing pail. Mix with a trowel or a slow speed drill mixer until liquids are completely blended. Add ADHCRETE Part “C” Filler Powder in to a mixed liquid and mix to a uniform consistency. Mix as stiff as possible to work into the joints. Once mixed, the material must be used within the specified pot life. After this time, unused material will have stiffened and should be discarded.

Application

Remove all mixed epoxy grout from container and spread out on mortar board as soon as mixing is completed. Grout vertical surfaces as soon as possible after mixing. when grouting walls place epoxy on single unbounded tile or plastic sheet on floor. Apply grout using a hard epoxy rubber float, filling all joints full and even with the surface of tile. It is important to achieve 100% fill coverage with no voids in the joints to prevent pin holes and slumping of the epoxy grout.

Cleaning

Remove excess grout by hold the float at a 90° angle and pulling the float diagonally across the grout joints using it like squeegee.. Do not allow epoxy to set on face of tile.

Initial Cleaning: After 30-45 min of the application of the grout apply liberal amounts of clean water to the grouted area. Adding a few drops of dishwashing liquid to the water will aid in cleanup . Using scrubbing sponge as little pressure as possible, work in circular motion across tile to loosen epoxy film and to finish the joints smoothly. Change rinse water and sponge if build up occurs frequently to aid the clean-up. Then take a clean thick towel and drag across the tile to remove any residue.

Final Cleaning: within 24 hours or after the grouts sets firmly do a second cleaning in similar way .

Curing of product

Tiles can accept light foot traffic after 24 hours and heavy traffic after 72 hours. Protect from harsh industrial cleaners for 7 days and aggressive chemical for 14 days. All grouting and cleaning should be complete within a pot life. Use only water for initial maintenance for 7 days. Avoid grouted area from dust, dirt and other contamination until it is fully cured

Caution

Avoid contact with eyes or prolonged contact with skin. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention

During application it is recommended to wear protective gloves and goggles and to take the usual precautions when handling.

Keep out of reach of children

Cleaning equipment

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

Maintenance

Adhcrete 3000 series epoxy grouts require routine cleaning with neutral pH soap and water or ADHCRETE ADHCLEAN suitable cleaners.

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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