ACEPOXY

Epoxy Grout

– Interior Grade

PRODUCT DESCRIPTION:

A three component, fully solid epoxy grout consists of Part A and Part B in a pail and Part C in a separate pouch. It is hygienic, impervious, stain-free, chemical and acid resistance grout. It does not absorb water, thus resist bacterial and fungal growth. It is a high abrasion and impact resistant grout for ceramic tile, vitrified tile and natural stone

ADVANTAGES:

- Provides smooth, flush and uniform joints
- Excellent sag resistance
- High stain resistant
- High abrasion and temperature resistance
- High chemical and acid resistance
- High shock and impact resistance
- Germ, bacterial and fungal resistance
- Easy maintenance and water cleanable

APPLICATIONS:

It is best suited for bath room, kitchen, swimming pool, fountain, dining room, child room, study and drawing room, hospitals, operation theatres, restaurants, cafeterias, oil field, high traffic areas as well as waterproofing applications. It is also recommended to use on potable water tank.

AVAILABLE PACK SIZE:

Available in 1 kg, 5 kg and 30kg packing (Including 3 components)

COMPONENTS FOR EACH KITS:

Each kits consists of carefully prepared, superior quality resin, hardener, scrub pad and gloves. Pigmented filler powders are sold separately in carton box

AVAILABLE COLOURS:

Available in 23 attractive colours and many customised colours as per customer request

SHELF LIFE:

Resin kits and Filler powder will have 36 months shelf life if stored in cool and dry area in unopened containers, protected from sun light. Shelf life is calculated from the month of manufacturing of the product.

SURFACE PREPARATION:

All surfaces or tile joints on which grouting to be done must be structurally sound, dry and not subject to the temperatures less than 16° C or more than 36° C. Surfaces must be free of all grease, oil, dirt, dust, curing compounds, sealers, coating, efflorescence, old adhesive residues and any other foreign matter

MIXING PROCEDURE:

Stir contents of Part "A" and Part "B" thoroughly, then combine entire contents of part "A" and "B" in a clean mixing container. Stir with a margin trowel until thoroughly mixed. Gradually add ACEPOXY Epoxy filler powder into premixed liquids. Using a low speed mechanical mixer (300 RPM or less), mix until get smooth consistency. Consistency can be adjusted by reducing the amount of coloured epoxy filler powder. Typically narrow joints require less filler powder.

APPLICATION PROCEDURE:

Remove all mixed epoxy from container and place on tile where grouting to be done. When grouting walls, place epoxy on single unbonded tile or plastic sheet placed on the floor. Using an epoxy grout float, pack joint fully with epoxy being careful not to leave voids during application.

REMOVAL OF EXCESS GROUT:

Remove excess epoxy by holding grout float at 70° to 90° angle and pulling the float diagonally across the grout joints. Removing as much epoxy as possible will make final cleaning easier. Allow joint to set for approximately 30-45 minutes or until they begin to firm. Time will vary depending upon substrate and ambient temperature. Do not allow epoxy to set on face of tile.

CLEANING OF JOINTS:

Apply liberal amounts of clean, cool water to the grouted area. Adding a few drops of dishwashing liquid to the water will aid in clean up. Using a scrubber pad given in kit, work in a circular motion to loosen epoxy film and finish joints smoothly. If necessary add more water to aid cleaning. Clean film from tile with a damp cotton towel and clean water. Change rinsed water frequently to aid cleanup and minimize epoxy residue left behind. Fingertip can be used to smoothen the joints but care to be taken because flush joint may not get while fingering over grouted joints. Final cleaning can be done on similar way after 2 hrs of first cleaning or after the grouts sets firmly. Time will vary depending upon substrate and ambient temperature. Do not do final cleaning before the epoxy joints sets firmly.

PROTECTION AND USE OF JOB SITE:

Generally, light foot traffic can be allowed in 24 hours at 25°C, normal foot traffic in 36 hours and heavy foot traffic in 72 hours. Epoxy should be kept dry and protected from exposure to dust, dirt, food or other chemicals, that could stain or attack the grout, for 7 days after installation. If used for drinkable water tank, then fill the tank fully with water after 7 days of curing, clean the tank and empty out the water. Once epoxy is fully cured, then it is no harm with normal temperature water.

LIMITATIONS:

- It is not recommended to use on surface where continuous temperature exposure above 100°C.
- 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.
- Epoxy, epoxy residue, or wash water will discolour painted or anodized surfaces upon contact.
- Should be tested for possible staining or slight colour changes when used with porous, absorptive, textured tile and stone units such as rough textured ceramic tile, natural stone or marble.
- Lower temperatures will cause the epoxy to become stiff and more difficult to work and will extend initial set. Higher temperatures will cause the epoxy to become more fluid and will accelerate the set.
- Not recommended in some manufacturing facilities where heavy solvents are used. Consult Technical Services on questionable installations.
- Colours may be slightly different than shown on colour card or grout chart. When colour considerations are critical, a mock-up should be constructed prior to final selection and application.

WARRANTY

Acecrete Adhesions India Pvt Limited warrants to the original purchaser that its product shall be free from defects in material for a period of 3 years 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.

COVERAGE:

ACEPOXY Epoxy Grout - Interior grade Coverage chart (in sq.ft for 5 kg unit)							
Tile size	**Joint width in mm**						
	2mm	3mm	4mm	6mm	8mm	10mm	12mm
100 X 100 X 3	275	210	150	100	75	60	50
150 X 150 X 4	325	225	165	110	80	70	55
200 X 150 X 5	300	200	150	100	75	60	50
200 X 200 X 5	350	230	175	120	90	70	60
200 X 300 X 6	430	230	175	120	90	70	60
300 X 300 X 6	435	300	220	150	110	90	75
400 X 400 X 6	575	380	290	200	150	120	100
450 X 450 X 7	550	375	280	190	140	110	100
500 X 500 X 8	550	365	270	180	140	110	90
600 x 600 x 8	650	440	325	220	160	130	110

PHYSICAL PROPERTIES:

TEST	Test Method	RESULTS
Water cleanability	ANSI A 118.3; E 5.1	>80 min
Water absorption	ANSI A 118.6; H 4.4	0.30%
Initial Setting Time	ANSI A 118.3; E 5.2	170 min
Service Setting Time	ANSI A 118.3; E 5.2	<7 days
Linear Shrinkage	ANSI A 118.3; E 5.3	< 0.1%
Sag	ANSI A 118.3; E 5.4	No sag
Bond strength to quarry tile	ANSI A 118.3; E 5.5	> 2000 PSI (13.5 MPa)
Compressive Strength	ANSI A 118.3; E 5.6	>9800 PSI (65 MPa)
Tensile Strength	ANSI A 118.3; E 5.7	>2500 PSI (16.85 MPa)
Thermal Shock	ANSI A 118.3; E 5.8	>1800 PSI (12.1 MPa)

EASY MAINTENANCE:

All ACEPOXY Grout required routine cleaning with neutral pH soap and water or any acid free, non-corrosive cleaner specially recommended for epoxy cleaning. ACECLEAN General Purpose cleaners are strongly recommended for cleaning ACEPOXY Epoxy as it is specially formulated for grout and other regular cleanings.

CAUTION:

Protect grouted are from contamination until it is fully cured. Avoid contact with eyes or skin. In case of contact, clean with plenty of water and seek medical attention. Use personal protective instruments such as gloves, goggles, aprons, masks, etc while handling the product and application of same.

CHEMICAL RESISTANCE CHART IN ACCORDANCE WITH ASTM C 267-1982 AT 21 °C:

ACEPOXY EPOXY GROUT CHEMICAL RESISTANCE CHART AT 21 °C LAB CONDITION			
REAGENT NAME (at 25 °C)	**Continuous Exposure**	**Intermittent Exposure**	**Splash exposure**
Milk	R	R	R
Wine	R	R	R
Ethanol	NR (soft)	R	R
Potassium Permanganate 10%	NR	R	R
Potassium Permanganate 1%	R	R	R
Tannic Acid to 50%	R	R	R
Tartaric Acid to 50%	R	R	R
Phosphoric Acid to 80%	R	R	R
Sulfuric Acid to 20%	R	R	R
Oxalic Acid to 10%	R	R	R
Lactic Acid to 5%	R	R	R
Acetic Acid to 5%	R	R	R
Sodium Hydroxide to 50% Saturated	R	R	R
Benzoic Acid 5%	R	R	R
Sea Water	R	R	R
Fruit Juice	R	R	R
Methanol	NR	NR	R
MEK	NR	NR	R
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	NR	NR	R
Xylene	NR	NR	R

Splash - Minor spill wiped up quickly such as in a laboratory.
Intermittent - Exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.
Continuous - Heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.
R=Recommended, NR=Not Recommended. Chemical Resistance determined in accordance with ASTM C267-1982.

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.