



1. PRODUCT NAME

Pro Grout Epoxy and Adhesive Part A, B & C

2. MANUFACTURER

SUPERIOR ADHESIVES & TOOLS
8515 Brown St. Ottawa Lake, MI 49267
CUSTOMER SERVICE
1-888-398-6595
www.superioradhesivesandtools.com

3. PRODUCT DESCRIPTION

Superior Pro Grout Epoxy and Adhesive is a 3-component, 100% solids epoxy compound developed for sanitary applications. Pro Grout Epoxy and Adhesive can be used for setting and grouting ceramic and quarry tile, pavers, mosaics on horizontal and vertical surfaces. Pro Grout Epoxy and Adhesive is an excellent setting material for moisture sensitive and resin backed stones like: black, red and green marbles. Use in commercial breweries, dairies, food processing facilities, distilleries, residential kitchens and bathrooms. It produces a high strength mortar that is stain resistant, impermeable, and shock resistant.

DESCRIPTION

A. Uses

Designed for ceramic, porcelain, natural stone, glass, and metal tiles for both walls and floors in interior and exterior applications. Suitable for both residential and commercial construction.

B. Features

- Interior and exterior
- Freeze-thaw stable
- Non-sag for wall areas
- Bonds to most surfaces
- Use in sunken tubs and swimming pools

C. Suitable Substrates

- Masonry concrete
- Portland cement mortar beds
- Brick
- Ceramic Tile
- Steel
- Glass
- Fiberglass
- Dural Backerlite

D. Packaging

1 gallon unit consists of: Part A – Liquid Epoxy Resin
Part B – Liquid Hardener
Part C – Dry Colored Aggregate packaged separately

E. Shelf Life

24 months. Store off the ground and protect from the weather



F. Limitations

Pro Grout Epoxy and Adhesive should not be subjected to an environment above 250° F for any extended period of time. Although suitable for exterior applications, lighter colors will darken from UV exposure. Appropriate maintenance is based on the site environment. Assure compatibility of cleaning products and methods with tile, grout and setting material manufacturers. Remove cleaning residue and other contaminants to avoid damage from prolonged exposure to food, biological waste, industrial chemicals and aggressive cleaning solutions. Usage of “no rinse” cleaning solutions is not recommended.

4. TECHNICAL DATA

Applicable Standards

ANSI 108.6 and 118.3

5. INSTALLATION

All surfaces on which tiles are to be set must be dry, structurally sound, and not subject to temperatures below 65° F or above 95° F.

Substrates

Cementitious Substrates: Surfaces must be dry and free of all efflorescence, grease, oil, dirt, dust, curing compounds, sealers, cut back residue, old adhesives, asphalt coatings and any other foreign matter. Waterproofing and crack isolation membrane must be approved in writing by an officer of the manufacturer. Cleaning may be accomplished via mechanical sanding, scraping, or chipping. Surfaces may be cleaned with muriatic acid if thoroughly flushed and neutralized. Smooth steel troweled concrete floor should be roughened to insure a superior bond. Dry porous concrete should not be dampened with water prior to the application of epoxy mortar. Instead skim-coat a thin layer of epoxy mortar first, then apply sufficient mortar to be notched.

Plywood Substrates: All wooden flooring, when placed over conventional floor joist or other systems should be of a design and thickness so as to maintain a substrate of deflection not to exceed 1/360 of span, including live and dead load. Further, the flooring to receive the Pro Grout Epoxy and Adhesive should be exterior grade plywood only, secured with screw-type nails at 6” centers along the edges and 8” centers within the field, and glued where possible. Leave a gap of 1/4” between sheets of plywood and all materials which they abut. During application of epoxy to plywood surfaces, force epoxy between edges of plywood sheets to completely fill the gaps. In addition, all wooden surfaces must be for interior use only and protected from exposure to water.

Miscellaneous Substrates: Other substrates like steel, glass, and fiberglass must be free of all oils, coatings, dust and moisture. In addition, these surfaces should be roughened to insure a good bond. It is also essential that the existing surface be structurally sound and firmly attached to the supporting structure. See EJ171 in T.C.A. Handbook for detailed specifications.

Expansion Joints: Install in accordance with local building codes and TCNA Handbook method EJ171-09.

DESCRIPTION

A. Mixing Instructions

For all units, pour Part A & B into a clean mixing pail and mix thoroughly. Add the entire content of Part C and mix until uniform. If a power mixer is used, it must be 300 RPM or less to avoid entrapping air bubbles, which cause pinholes in the grout. Do not over-mix, as this will cause the epoxy to flash set.



B. Application of Product

For Setting: Spread mortar with flat side of trowel to key-in substrate. Then, reapply additional mortar to a depth sufficient to be notched with a suitable trowel that will leave only enough mortar to give 100% contact with back of tile and a subsequent mortar bed of 1/16" for ceramic mosaic tile, to 3/32" for quarry tile. Temperature affects time. Therefore, it is advisable to occasionally remove a tile to be sure mortar has not skinned over and sufficient transfer is being made. Approximate tack time is 30 minutes at 70° F. It is also required that tiles be "beat-in" to obtain good transfer of mortar to tile and for proper alignment. Should epoxy mortar get on surface of tile, remove it with a damp sponge before it cures.

NOTE: As a practical test it is recommended that three or more separate twelve inch square areas of tile be bonded to the properly prepared surface with the actual tile and bonding materials that will be used on the finished installation. These should be allowed to cure for 3 - 7 days and then removed with a hammer and chisel. At this point, one can determine if adequate bond has been obtained or if a problem exists. Pro Grout Epoxy and Adhesive 100% Solids Epoxy Mortar and Grout

For Grouting: Allow tiles to set firmly before grouting (1-2 days). Mix the epoxy as described above. Apply grout using a hard rubber float filling all joints full and evenly with surface of tile. Remove all excess epoxy from surface of tile with the edge of the rubber float before it begins to set by holding the float at a 90° angle and pulling it diagonally across the joints. Clean the remaining grout off the surface of the tile using clean water and a scrub pad and towel, or a stiff sponge with rounded edges. Special care should be exercised to avoid removing excessive material from the grout joint during cleaning as Pro Grout Epoxy and Adhesive will be very soft.

NOTE: On unglazed tiles, sealing with a grout release may be necessary to prevent residue from being absorbed into tile.

C. Curing of Product

After application, protect setting and grouting material for 1 day against foot traffic and protect the grout from chemical (industrial cleaners) attack for the first 14 days. Initial maintenance for the first 7 days shall be done with clean water only. The day following grouting, if haze is present, it must be removed with clean water only.

D. Cleaning

Clean tools with fresh water when Pro Grout Epoxy and Adhesive is uncured.

6. AVAILABILITY

Available exclusively at The Tile Shop. Visit www.tileshop.com to find your nearest location or call 1-888-398-6595 for more information.

7. MAINTENANCE

Superior installation products require no long-term maintenance, but installation performance and durability may depend on proper maintenance of other products used during installation.

8. TECHNICAL SERVICES

1-888-398-6595