



POLISH GROUT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Diamakrete Polish Grout is a fast setting, polymer modified, hi-strength, engineered cementitious grout with outstanding bond strength and minimal shrinkage. It has been formulated specifically to fill in small cracks, pinholes and surface irregularities in concrete floors. Diamakrete Polish Grout readily accepts most stains and dyes and requires no special polishing procedures. Use with Diamakrete Acrylic Polymer G. Liquid black pigment is available and can be added to Diamakrete Acrylic Polymer for matching the color of burned in floors.

FEATURES

- Concrete gray color
- Black Pigment available for color matching
- Increases durability, gloss and distinction of image (DOI) on most floors
- Readily accepts stains
- Cement based formula blends in with concrete
- Low viscosity helps fill extremely small pinholes and irregularities
- Non shrink
- Consistency of light cream for fast and easy troweling
- Can be wet polished in 60-90 minutes without re-emulsifying
- Simple 2:1 mix ratio
- Water cleanup prior to curing
- Can be mixed into a thicker, but still trowelable consistency for larger repairs, such as freeze thaw damage or filling in rows of nail spalls

SURFACE PREPARATION

Surface should be clean and free of standing water prior to application. Surface must be free from oil, dust, dirt, grease, laitance and other bond inhibiting contaminants.

MIXING and APPLICATION

Mix 2 parts powder to 1 part acrylic polymer. Use drill and egg beater or spiral mixer to mix. Put about 2/3 to 3/4 of the liquid into the mixing container, add the powder and mix until creamy and lump free. Add the remaining liquid and mix until uniform. Properly mixed product will have the consistency of light cream.

For larger repairs mix to the consistency of buttermilk, using approximately 3/4 of the liquid.

Polish Grout may be applied at any time after 70 metals and before 200 grit resins. Applying before 70 metals may result in grout being ground off and new pinholes being exposed. Grout is difficult to remove after 200 grit resins. Residual grout not removed by grinding/polishing may result in a cloudy floor.

Pour Polish Grout onto the floor and spread with 24" drywall knife taped to a broom handle or use a spring blade designed for floor grouting. Angle the blade to press Polish Grout into voids to be filled and force excess grout in front of the blade onto the un-grouted floor. Grout should be pulled tight to avoid leaving built up grout on the floor. When completed, only a light haze of grout should remain on the surface.

Lightly misting the floor with water using a Patriot Sprayer, or equal, equipped with a gray tip in front of the grout will help keep the grout from drying out while spreading it. Misting just

enough to maintain the consistency of the grout, not allowing it to thicken or thin appreciably, will insure the best results. Overly thin or thick grout should be disposed of. Thick grout will not completely fill voids and overly thin grout will lack durability and may be removed when polishing resumes.

If grout is not to be ground off for several hours or allowed to dry overnight, all excess grout remaining on the floor should be scraped off as soon as it is dry. Excess grout is extremely difficult to grind off after drying overnight. Overnight drying is not recommended.

CAUTION

Polish Grout has very high adhesion and will stick to unprotected joint fillers. Once dry it is nearly impossible to remove without damaging the joint filler. Joint filler should be avoided or coated with soap or detergent to act as a bond breaker prior to grouting the floor.

PACKAGING

Polish Grout is available in 45lb. bags and 45 lb. plastic lined boxes with 2.5 gallons of Acrylic Polymer G.

COVERAGE

Polish Grout coverage varies considerable from floor to floor. Each 45 lb. kit will generally cover over 5,000 SF of floor.



POLISH GROUT

WORKING TIME

15-20 minutes at 75°F and 50% relative humidity.

STORAGE

Protect Polish Grout from moisture; store packages tightly closed.

Keep Acrylic Polymer from freezing, if product freezes allow it to thaw undisturbed.

Keep out of reach of children.

Not for internal consumption.

CLEANUP

Uncured Polish Grout cleans up with water. Cured grout must be removed by mechanical means. Liquid acrylic cleans up easily with water. Cured acrylic is extremely difficult to remove.

VOC COMPLIANCE

Diamakrete Acrylic contains no VOC's.

Diamakrete Polish Grout Test Data

Compressive-ASTM C109		
3 hour	4396	PSI
1 day	6421	PSI
7 day	9215	PSI
28 day	9895	PSI
Slant Shear-ASTM C882 modified		
3 hour	2268	PSI
1 day	2448	PSI
28 day	3520	PSI
Drying Shrinkage-ASTM C596		
1 day	0.0255	%
7 day	0.0469	%
28 day	0.0679	%