



TECHNICAL DATA SHEET

SUPER CERAMIC TILE MASTIC™

SM-502

CERAMIC TILE ADHESIVE

PRODUCT

DESCRIPTION:

A specially formulated, water resistant and easy-to-apply adhesive designed to bond ceramic wall or floor tiles to concrete, plywood, gypsum and plaster surfaces. For interior or exterior use.

BASIC USES:

Bonds ceramic tiles to concrete, plywood, gypsum and plaster surfaces; also suitable for installing vinyl, asphalt, tile, carpeting, mirrors and rubber floor tiles to either concrete or wood surfaces.

PRODUCT

ADVANTAGES:

- * Non-flammable
- * Durable
- * Odorless
- * White latex
- * Non-toxic
- * Water resistant
- * Easy to apply
- * Easy to clean

TECHNICAL DATA

Percent Solids:

63.00 ± 1% by weight
56.81 ± 1% by volume

Color:

White

Weight / Gallon:

12.42 ± 0.5 lbs.

Viscosity:

600,000-650,000 cps

Flash Point:

Non Flammable

Shelf Life:

1-2 years

Specific Gravity:

1.490

Percent Pigment by Weight:

52.00 ± 1%

Drying Time:

Open time: 15-30 minutes
To set: 2 hours
To cure: 26 hours

Sizes:

5 gallons
2 gallons
1 gallon
1 quart

Thinning:

Water

Coverage:

Up to 75 sq. ft./gal. on floors
Up to 60 sq. ft./gal. on walls

Type of Adhesive:

Styrene-butadiene latex

Surface Preparation: The surface to be covered must be dry and free of contaminants such as oil, grease, wax or dust. Painted or enameled walls must be thoroughly scored or sanded to insure bond to original base wall. Moisture areas such as shower and tub enclosures should be primed by spreading a skim coat of adhesive with recommended trowel. Allow this skim coat to dry 1/2 hour, then spread mastic with recommended trowel. Shower floors and other areas subjected to extreme moisture should be installed with thin set or mortar. Cut away plaster, wallboard, etc, 1/2" above the tub or shower base and fill with mastic. Also fill around all pipe openings. Adhesive, tiles and room should be at least 72°F (22°C) for 48 hours before and after installation. New concrete must be fully cure (thirty days) and smooth.

Floor Application:

- (1) Spread mastic with a wavy motion, using a 1/16" x 1/16" x 1/16" notched trowel for mosaic tile. For ceramic floors use a 3/32"x3/32"x1/8" notched trowel. Spread only the amount of adhesive that can be covered in fifteen minutes. Do not set tile after skin has formed on mastic. (This time will vary due to the temperature, humidity and subfloor conditions.)
- (2) Apply tile with a slight twisting motion and tap firmly.

Limitation: This adhesive is not recommended for quarry tile or setting ceramic fixtures. Installation where constant dampness or hydrostatic pressure is present is not recommended.

Wall Application:

- (1) Spread mastic with a wavy motion, using a 3/16" x 3/16" x 3/16" notched trowel. Spread only the amount of adhesive that can be covered in thirty minutes. Do not set tile after skin has formed on mastic. (This time will vary due to temperature, humidity and subsurface conditions.)

- (2) Apply tile with a slight twisting motion and press firmly into place. Do not slide tile against each other. Start walls at top or bottom. Tile may be grouted two hours after installation. Showers may be used 24 hours after grouting has been completed. This adhesive is not recommended for setting ceramic fixtures.

Limitation: This adhesive is not recommended for setting ceramic fixtures. Installation where constant dampness or hydrostatic pressure is present is not recommended.

Cleanup: Clean all equipment immediately after use with warm soapy water. Fresh mastic may be removed with a wet soapy cloth. Dried adhesive may be removed with a razor blade. Keep tools in water when not in use.

Precaution: Protect from freezing. Do not apply when air temperature is below 72°F (22°C).

Caution: Keep out of reach of children. Close container after each use. Do not take internally.

Limited Warranty: Manufacturer's liability in connection with the sale of this product extends only to the replacement value if it should fail to comply with quality standards or specifications.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject change without prior notice.

M.S.D.S.: Available upon request.