

Tech Data for Glass Fusion™

Product Name

Glass Fusion™

Manufacturer

Glass Fusion International
MG Distribution Inc.

314 Forrest Crest Ct.

Ocoee, Florida 34761

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www.glassfusion.net

Product Description

BASIC USE

Glass Fusion™ is a high performance glass like sealant applied in liquid form, used on tile and grout, concrete, painted concrete, bricks and pavers horizontal & vertical surfaces.

BASIC BENEFITS

Tile

* Anti Stain on Grout

* Increased Coefficient of Friction

Concrete, Bricks and Pavers

* Anti-Mold

* Anti Stain

* Anti- Graffiti

* Wear Barrier

* Water Barrier

* Efflorescence Blocker

Technical Data

APPLICABLE STANDARDS

ASTM C-1028 (coefficient of friction)

ASTM C-1027 (abrasion resistance)

PHYSICAL/CHEMICAL PROPERTIES

Glass Fusion™ is a silica based sealant utilizing an isopropyl alcohol carrier that contains a minimum of 20% silica solids in liquid form. (50% of solids are over 45 nanometers)

Installation

PREPARATION

A. Remove fixtures and similar items that are not to be coated. Mask items that cannot be removed. Reinstall items in each area after coating is complete.

B. Surface Preparation: Clean and prepare substrates according to ASTM F-710. Verify that substrates are dry and free of curing compounds, sealers, and hardeners. Prepare all surfaces in an area before beginning coating in that area. Schedule coating so cleaning operations will not damage newly coated surfaces.

APPLICATION

A. Apply coatings by brush, roller, spray or other applicators according to coating manufacturer's written instructions. Use brushes or rollers only for exterior coating and where the use of other applicators is not practical.

B. Maintain uniformity of floor coating, and install continuously until reaching a point where the wet edge is at the edge of the application area

C. Transparent (Clear) Finishes: Use a single coat to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, or other surface imperfections.

CURING

Drying and Cure Time at 70° F

Dry to Touch 4-6 hours

Hard Dry (foot use) 8-10 hours

Full Cure 24 hours

CLEANING

Neutral (Non-Streaking) Cleaner, agitate with a brush, rinse with clean water.

MAINTENANCE

N/A for buffing and polishing. Regular cleaning necessary as with any substrate.

WARRANTY

A. Manufacturer's Warranty:

Manufacturer shall provide standard product warranty executed by authorized company official. Term of warranty shall be 3 years from Date of Substantial Completion on non-porous substrates.

B. Manufacturer's Warranty:

Manufacturer shall provide standard product warranty executed by authorized company official. Term of warranty shall be 10 years from Date of Substantial Completion on porous substrates.

HEALTH & SAFETY

Product contains amorphous silicon dioxide in a liquid form. No cases of silicosis have been reported from amorphous silica.

MSDS

A fully detailed Material Safety Data Sheet is available on request.

WARRANTY

1. With daily cleaning to remove abrasive dirt and sand and normal foot traffic with rubber or leather sole shoes, Glass Fusion™ will not lose more than 10% of its surface coating in the first three years after application.

2. Glass Fusion™ will not discolor as a result of UV rays.

3. Mold and Mildew will not grow directly on the surface of Glass Fusion™

4. Graffiti can be removed from smooth surfaces coated with Glass Fusion™



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