



Stone Finish Manufacturing, LLC

Product Description

StoneEdge™ Polished Stone Surfaces is a Polymer Modified Cementitious System.

A. COMPOSITION

StoneEdge™ polished stone is a distinctive polyacrylate modified cementitious, polished stone surface that meets or exceeds the standards set by the NTMA (National Terrazzo and Mosaic Association) and the TTMAC (Terrazzo, Tile and Marble Association of Canada). It is a water-phase elastomeric resin composition incorporating marble chip, quartz chip, granite chip, recycled glass and shell to achieve a polished stone floor surface. StoneEdge™ is applied in a finished thickness of from 3/8" (9.53mm) or greater, which permits the use of aggregates from 1/16 inch to 1 inch.

StoneEdge™ countertop slabs can be installed in the same manner as granite or marble slabs. StoneEdge™ stair treads are made to order according to architectural specifications.

StoneEdge™ is available in 10 standard, stock designs and custom mixes to match aggregate designs and background/field colors. See the product brochure for a list of the colors and standard mixes. Any custom color and aggregate mix can be created upon special request. StoneEdge™ is UV stable for outdoor and sun exposed areas in interior applications. StoneEdge™ has no volatile organic compounds or toxic emissions. StoneEdge™ breathes and is water tolerant.

B. USES

StoneEdge is typically used for countertops and stair treads, but is also very practical for any precast application such as benches, planters, etc.

C. BENEFITS

1. Moisture tolerant, breathable. Does not trap water vapor that creates the traditional problems as with epoxy.
2. Extremely low odor, no VOC's.
3. Can be polished after 24 hours.
4. Very cost effective
3. Skid, Stain, UV resistant.
4. Low maintenance cost.
5. Abrasion and wear resistant.
6. Available wide range of aggregates and field colors.
7. Cove base can be installed in place as monolithic or in pre-cast segments.

D. CAUTIONS

-Must be installed over stable sub-surface using proper preparation procedures, as outlined by Stone Finish Mfg. LLC.

E. PHYSICAL PROPERTIES

1. **Compressive Strength** ASTM C109..... 5,880 psi, after 72 hours of cure time.
2. **Indentation Characteristics** (Steadily Applied Load) MIL-D-3134, Para. 4.7.4.2.1 (2000 lbs. on 1" steel ram imposed for 30 minutes)..... 0.95%
3. **Indentation Characteristics** (Impacted Load) MIL-D-3134, Para 4.7.3 (2 lb. Steel ball dropped from 8-foot height) 0.008" indent
No loosening or cracking.
4. **Adhesion** MIL-D-3134, Para. 4.7.14 (Shear from steel plate after 96 hours)..... 320 psi
5. **Tensile Strength** ASTM C190..... 780 psi
6. **Flammability** ASTM E162 Flame Spread Index.. 0.47
Smoke Deposited..... Less than 0.1 mg.
ASTM E84..... Flame Spread Rate - 0
Smoke Density Factor - 3, Fuel Contribution Rate - 0
7. **Resistance to Elevated Temperatures** MIL-D-3134, Para. 4.7.5.1..... No flow or Slip
8. **Slip Resistance** (Coefficient of Sliding Friction)
Dry Leather 0.43 Dry Rubber 0.59
Wet Leather 0.68 Wet Rubber 0.70
9. **Abrasion Resistance** ASTM C 779 025 in"
10. **Coefficient of Thermal Expansion** ASTM C531 6.8 E-04
11. **Water Absorption** ASTM C 642 4.80%
12. **Scratch Resistance**
Army Corps of Engineers Guide Specs. 245.05.....0.0057"
13. **Electrical Conductivity**..... Dielectric

F. CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties. Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, StoneEdge™ recommends that the end-user test their cleaning and disinfecting compounds on a non-conspicuous area before use.

Follow sealer manufacturer recommendations for maintenance and cleaning.

LIMITED WARRANTY:

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN STONE FINISH MFG., LLC INVOICE ARE MET.

Stone Finish Mfg., LLC warrants to the purchaser of its products that such products are free from manufacturing defect. Stone Finish Mfg., LLC does not warrant or guarantee the workmanship performed by any person or firm installing its products. Stone Finish Mfg., LLC obligation under this warranty is limited solely to the original purchaser and solely to replacement in kind of any StoneEdge™ product which may prove defective in manufacture within one year from date of installation, by the original purchaser and upon examination, by Stone Finish Mfg., LLC, shall be deemed defective.

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