

PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT MANUFACTURER: Stone Edge Surfaces	MANUFACTURER: Turley International Resources, LLC.
PRODUCT NAME: MicroGrout Mix	4322 South 80 th Street
PRODUCT NAME: Single Component Mix	Mesa, AZ 85212 - USA
	TEL: 844-786-6333 E: info@stoneedgesurfaces.com
EMERGENCY: Contact Local Hospital or Call 911	MEDICAL: Contact Local Hospital or Call 911

PRODUCT COMPOSITION
Stone Edge Surfaces MicroGrout polymer based, just add water, single component, self-leveling and polishable microcoating. MicroGrout is designed to go on with a magic trowel or squeegee and fill the micro-holes and imperfections in countertops, terrazzo floors, polished concrete floors and so much more. MicroGrout can be integrally colored or have topical colors applied, and dries hard for polishing smooth.

PRODUCT USES			
Most Common Use (Not a Complete List)	Thickness	Best Finish	Why it's Better
<ul style="list-style-type: none"> Fill micro holes and pin holes in countertops and terrazzo floors before polishing Grout and self-level exposed aggregate countertops, decks, and floors, and then polish smooth Countertops Terrazzo floors 	Micro Thin Thin	Squeegee	High PSI and Flexural Strength and extreme user friendliness for refurbishment without affecting the texture.

PRODUCT CAUTIONS
CAUTION: When Using Solvent Based Sealers...MUST Wait 7 Days before ANY Solvent Based Sealers can be applied as Solvent Based Sealers may cause Delamination, Shrinkage or an "orange-peel" type effect to the surface. Water Based Sealers CAN be applied at any time after the initial cure. Micro Coating must be installed over a stable substrate using proper preparation and installation procedures. All loose materials, or materials that are likely to come loose, must be removed from substrate before product is applied to reduce the risk of delamination. All expansion/cut joints in the existing substrate must be honored. Extra joints may be added as deemed necessary by the installer. Stone Edge Surfaces Primer 100 and 110 have been chemically engineered to be compatible with this Product at a 50/50 (primer to water) consistency to enhance bonding properties and are required to be used with the Product to validate product warranty. For best results for microtop application, a mechanically etched concrete surface is preferable.

PRODUCT PHYSICAL PROPERTIES (7 days)			
ITEM	TESTING USED or DATA AVAILABLE	RESULTS or DATA AVAILABLE	
Compressive Strength:	ASTM C 39	2750 psi	
Flexural Strength:	ASTM C 78	1100 psi	
Adhesion:	MIL-D-3134 Para. 3.7.14 (Shear from steel plate after 96 hours)	394 psi	
Cylinder Water Absorption:	ASTM C 624	10.24%	
Indentation Characteristics:	(Steadily Applied Load) MIL-D-3134, Para. 4.7.4.2.1 (2000 lbs. on 1" steel ram imposed for 30 minutes)	1.20%	
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.	
Tensile Strength:	ASTM C190	630 psi	
Resistance to Elevated Temperatures:	MIL-D-3134, Para. 4.7.5.1	No flow or Slip	
Abrasion Resistance:	ASTM C 779	2.72 in" (300 cycles)	
Coefficient of Thermal Expansion:	ASTM C531	6.8 E-04	
Electrical Conductivity:		Dielectric	
Flammability:	ASTM E162 Flame Spread Index.	0.42	
	Smoke Deposited.	Less than 0.1 mg.	
	ASTM 84. Flame Spread Rate	0	
	Smoke Density Factor	3	
	Fuel Contribution Rate	0	
Slip Resistance:	(Coefficient of Sliding Friction) On smooth, non-textured finish with no sealer: NOTE: Slip Resistance is more related to the type of finish and sealers used, rather than the Product itself	Dry Leather	0.43
		Dry Rubber	0.59
		Wet Leather	0.68
		Wet Rubber	0.70
	ASTM C 666/C 666M-03 (Standard Test Method for Resistance of Concrete to Freezing and Thawing, Procedure A - Freezing and Thawing in Water) The relative dynamic modulus indicates that Product is:	Freeze-thaw durable after 300 cycles.	

Freeze Thaw:	MODIFIED ASTM C 666 - PROCEDURE A				
	Sample Identifications	Freeze-Thaw Cycles	Change, % Length	Change, % Mass	Relative Dynamic Modulus, %
		0	0.00	0.00	100
		37	0.01	-0.22	97
	Overlay 1, 2 and 3	69	0.02	-0.40	95
		99	0.03	-0.56	97
		129	0.02	-0.62	94
		163	0.03	-0.45	93
		193	0.02	-0.50	98
		222	0.02	-0.58	98
		232	0.02	-0.63	98
		265	4.04	-0.72	98
		301	0.03	-0.81	98

See SDS Sheet for Physical Properties and Safety Information

PRODUCT BENEFITS

Contributes to USGBC credits under LEED rating system.	No volatile organic compound emission
Polymers used are "non-hydrophobic" & will not weaken or re-emulsify in standing water.	Abrasion and wear resistant
Very low influence from concrete vapor emission	Low maintenance costs
Warranted bond ability	Moisture tolerant and breathable

PRODUCT 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 product. As a precautionary step, Stone Edge Surfaces recommends that the end-user test their cleaning and disinfecting compounds on a small non-conspicuous area before use. Follow sealer manufacturer recommendations for maintenance and cleaning. Slip resistance is greatly affected by the sealers and texture used. Follow sealer manufacturer recommendations for slip resistance and prevention.

PRODUCT COVERAGE

Stone Edge Surfaces MicroTop Mix will cover approximately 300-500 SQFT when 37 LB bucket used or 400 to 650 SQFT with 50 LB Bag

PRODUCT SHELF LIFE

If properly stored, the expected shelf life can exceed 6 to 12 months. However, it is recommended that product be used as soon as possible after delivery. Rotate stock to use oldest inventory first. Store under roof and keep dry.

PRODUCT LIMITED WARRANTY

Limited Warranty: See Warranty at www.stoneedgesurfaces.com