

Smooth Coat Mix

PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT MANUFACTURER: Stone Edge Surfaces		MANUFACTURER: Turley International Resources, LLC.	
PRODUCT NAME: Smooth Coat Mix		4322 South 80 th Street	
		Mesa, AZ 85212 - USA	
		TEL: 844-786-6333 E: info@stoneedgesurfaces.com	
EMERGENCY: Contact Local Hospital or call 911 in US		MEDICAL: Contact Local Hospital or call 911 in US	
PRODUCT COMPOSITION			
<p>Stone Edge Surfaces Smooth Coat Mix is a no primer required heavily polymer modified, Portland cement, fine aggregates and other proprietary additive cementitious overlay mix used as a smooth coat or slurry mix and as a broom finish mix. Smooth Coat is a ready to use, single component "just-add-water" bagged mix that is easy to use, dries extremely hard, can be pumped, troweled and sprayed, and comes in Gray 50 lb. Bags, with all necessary ingredients being contained in the bag, with water being added on site. Best Use is Horizontal smooth/slurry coat or thin and texture coat, skip-troweled, broom finish for deck, balcony, flooring, driveway, patio, sidewalk and wall resurfacing in both commercial and residential applications. Product can be pumped or sprayed and is extremely smooth and easy to use. Primer is Not required, but can be used if desired on adverse conditions. Smooth Coat can be integrally colored and enhanced with pigments, stains, and sealers. Apply from feather finish to a max 1/8th inch thick. MIXING INSTRUCTIONS: Mix 5.5 - 7 Quarts (5.2 – 6.62 Liters) of clean clear potable water per 50# (22.68kg) bag of Smooth Coat Mix. Hard or soft water can affect the amount of water needed for consistency. NOTE: Apply water first to mixing container, followed by the Smooth Coat dry mix. This will eliminate clumping of material while mixing. Mix ingredients for approximately 2 – 3 minutes, then wait 1-2 minutes to allow mixture ingredients to fully hydrate or "false set". Then remix again and add small amounts of water if needed to create the desired consistency. NOTE: If Adding Integral colors...Mix colors with water thoroughly first, then add mix to the water.</p>			
PRODUCT USES			
Most Common Use (<i>Not a Complete List</i>)	Thickness	Best Finish	Why it's Better
<ul style="list-style-type: none"> - Deck and Balcony Waterproofing System, Smooth/Slurry Coat - Deck and Balcony Waterproofing System, Texture Coat - Deck, Driveway, Patio...Smooth/Slurry coat, Texture, Thin Coat, Broom Finish - Sidewalk, Pathways & Walkway... Smooth Coat, Slurry, Thin Coat, Broom Finish - Pool Deck, Smooth Coat, Slurry, Thin Coat, lace, texture, knockdown finish - Brick, Retaining & Block Walls...Smooth Coat, Slurry or Thin Coat - Drywall Smooth/Slurry Coat and Thin Coat - Base or Top Coat for Stenciling or Tape Down applications on concrete substrates 	1/32" to 1/8"	<ul style="list-style-type: none"> Smooth Finish Textured Finish Broom Finish Skip Trowel Finish Knockdown Finish 	<ul style="list-style-type: none"> - Can be Pumped, Troweled, Magic troweled - Designed as a top coat smooth coat or slurry coat. - No primer required - Dries Very Hard for Furniture, walk decks or driving surfaces. - Has Extremely Fine Sand for smoother tighter finish
PRODUCT CAUTIONS			
<p>Smooth Coat 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. No Primer is required with Stone Edge Surfaces Smooth Coat but may or can be used if desired or. Smooth Coat dries extremely hard for deck and balcony furniture or on walk decks, and can be sprayed to create a lace finish or knockdown finish, but be aware, mix may be slightly sticky due to the polymer content, so allow extra working time or precautions.</p>			
PRODUCT PHYSICAL PROPERTIES			
ITEM	TESTING USED or COMPARABLE DATA AVAILABLE	RESULTS or COMPARABLE DATA AVAILABLE	
Compressive Strength:	ASTM C 39	6,160 psi	
Flexural Strength:	ASTM C 78	720 psi	
Adhesion:	MIL-D-3134 Para. 3.7.14 (Shear from steel plate after 96 hours)	405 psi	
Water Absorption:	ASTM C 624	3.9%	
Indentation Characteristics:	(Steadily Applied Load) MIL-D-3134, Para. 4.7.4.2.1 (2000 lbs. on 1" steel ram imposed for 30 minutes)	.94%	
Indentation Characteristics:	(Impacted Load) MIL-D-3134, Para 4.7.3 (2 lb. Steel ball dropped from 8-foot height)	0.004" indent. No loosening or cracking.	
Tensile Strength:	ASTM C190	766 psi	
Resistance to Elevated Temperatures:	MIL-D-3134, Para. 4.7.5.1	No flow or Slip	
Abrasion Resistance:	ASTM C 779	.037 in"	
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

Smooth Coat Mix

Freeze Thaw:	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.
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See SDS Sheet for Physical Properties and Safety Information

PRODUCT BENEFITS

One Component Mix. No Liquid Polymers to add. Just add water on Job site.	Very low influence from concrete vapor emission
Reinforced With Latest, State Of The Art German Engineered Polymers.	Contributes to USGBC credits under LEED rating system.
Polymers used are "hydrophobic" & will not weaken or re-emulsify in standing water.	Abrasion and wear resistant
Application Flexibility, i.e., Pump, Trowel, Spray, Stencil	Low maintenance costs
Abundant Finishes, i.e., smooth, texture, broom, knockdown, skip trowel, etc.	Can be integrally or topically colored, accepts stains and sealers
Moisture tolerant and breathable	Water clean up

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 Bag Mix Coverage										
 Stamp/Trowel/Spray Mix Coverage sqft @										
# of BAGS	1/32" Thick	1/16" Thick	1/8" Thick	1/4" Thick	3/8" Thick	1/2" Thick	3/4" Thick	1" Thick	1.5" Thick	2" Thick
1	180	90	48	24	16	12	8	6	4	3

PRODUCT SHELF LIFE

If properly stored, the expected shelf life can exceed 6 to 12 months. However, it is recommended 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: Stone Edge Surfaces, a division of Turley International Resources, LLC., (further known as manufacturer), products are warranted to be free of manufacturers defect in material and formulation for 90 days (the warranty period) from the date of purchase from manufacturer, when applied per manufacturer's instructions, and as provided specifically in the terms and conditions herein. TERMS: Upon verification of factory defect, manufacturer reserve the right, at its sole discretion, to replace the product purchased or refund the purchase price paid to the manufacturer. The refund amount will be based on the most current product pricing at the time warranty coverage is approved. For Products to be deemed warrantable, they must be inspected and warranty approved by an authorized manufacturer representative. This Limited Warranty does not cover, nor is manufacturer responsible for, any project costs or delays, and no remedies will be made for loss and/or usage of fuel, labor, demolition, haul away, clean up, service, travel, transport, reapplication, parts, or any other costs in excess of the purchase price of the products paid to the manufacturer or use of resources resulting from a failure of a warrantable product. Warranty also does not cover products that have been modified, altered, improper mixing not in accordance with manufacturers guidelines or instructions, misused or used in a way not recommended by manufacturer, used after shelf life expiration, acts of God, adverse environmental conditions beyond manufacturers control, inadequate contractor skill level or quality of contractor workmanship, fading over time, improper prep of application area, chemical damage, unstable, cracking or shifting substrate causing product failure. Product replacement or refund of product purchase price from manufacturer are manufacturer's sole obligations under this limited warranty.