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Superior Trac – 100% Solids, Seamless, Floor Surfacing System

DESCRIPTION: The Superior Trac System is a multi-layer, seamless, epoxy based floor surfacing system that is installed at a depth of 3/16" to 1/4" of an inch. It is then topped with an epoxy quartz broadcast system. Superior Trac is then sealed with a topcoat to improve abrasion resistance, gloss retention and non-skid properties. Superior Trac is a skid-resistant and easy to maintain flooring system that provides protection from wear-resistance and damaging substances. Superior Trac offers a safe yet cleanable floor surface.

USES: Superior Trac may be used for surfacing, patching, chemical resistance, skid-resistance and abrasion resistance in areas such as: Food Processing Plants, Heavy Manufacturing, Educational Facilities, Warehouses, Recreational Facilities, Correction Facilities, Supermarkets, Pharmaceutical Labs, Hotels & Restaurants, Pulp & Paper Mills, Health Care Facilities, Bottling Plants, Automobile Assembly Plants, Textile Mills, Dairies, Chemical Plants

ADVANTAGES: Outstanding Wear Resistance, High Compressive Strength, Slip-Resistance, Easily Cleaned Surface, Chemical-Resistance, Seamless, No VOC, High Physical Strength, Abrasion Resistant, USDA Accepted, Chemical Resistance

MIXING AND APPLICATION: Superior Epoxy Primer 171: Mix 1 volume of part A with 1 volume of part B. Mix thoroughly, being sure to scrape the sides and bottom with a strong mixing stick or a slow speed drill with a paint propeller attachment. DO NOT mix more than can be applied in 20 minutes. Apply mixed material by brush, roller or squeegee at 150 to 200 square feet per gallon (8-10 mils). The coverage will depend on the texture of the surface. Apply toppings before primer becomes tack-free, approximately 2-3 hours at 72°F. Superior TopMortar: Mix thoroughly 2 parts by volume of part A and 1 part by volume of part B of Superior Liquid Binder. Prepare the mortar by adding 3-3 1/2 gallons of clean, dry sand to each gallon of epoxy mix. Preferred types of sand are: hard, high-grade silica sands such as Ottawa Flintshot, Mission or their equivalents. Emery or other forms of Alumina, and Silicon Carbide. If a blend of sand is used, mix the sands together prior to adding to the epoxy. Blend the epoxy and sand until the sand is thoroughly wet. Screed the mortar out onto the previously primed area, rake it to distribute, then compact and trowel to finish. Blending may be accomplished by using a heavy duty, slow speed 1/2" electric drill with a paddle, a Kol mixer or a mortar pan and concrete hoe. Superior Quartz Binder: Mix 1 volumes of part A with 1 volume of part B. Mix thoroughly, being sure to scrape the sides and bottom with a strong mixing stick or a slow speed drill with a paint propeller attachment. DO NOT mix more that can be applied in 20 minutes. Apply mixed material with a notched squeegee at 90-110 square feet per gallon. Back roll quartz binder. After curing, sweep un-adhered excess aggregate from surface. For a higher build, repeat application of quartz binder and aggregate. Seal Coat: To apply the seal coat of Superior Gloss over the broadcast: stir each component separately. Clear: Mix 2 volumes of part A with 1 volume of part B. Pigmented: Mix 1 volume of part A with 1 volume of part B. Mix thoroughly, being sure to scrape the sides and the bottom, with a bottom, with a strong mixing stick or a slow-speed drill equipped with a paint propeller. DO NOT mix more than can be applied in 30 minutes. As a coating, apply mixed material by brush or roller. For best results, two coats should be applied. Allow the first coat to cure overnight. Apply the second coat within 24 hours. If more time than 24 hours has elapsed, a light sanding of the first coat is required. Superior Gloss can be placed a thick as desired on horizontal surfaces without affecting the cure

*** **When chemical-resistance is needed substitute Superior Novalac for Superior Gloss**

Properties at 77º F	
Mix Ratio By Volume	2:1
Colors	Clear, gray & red. Other colors available upon special order.
Pot Life (100 Grams-neat)	30-45 minutes
Coverage: Coating	100-150 sq. ft.
Coverage: Mortar	37 ½ sq. ft. @ 1/8" when mixed with 3 parts aggregate.
Compressive Strength (ASTM C-579)	10,500 psi
Tensile Strength (ASTM – C-307)	1,640 psi
Flexural Strength (ASTM C-580)	4,500 psi
Shore D Hardness (ASTM D-2240)	85-90D
Bond Strength (ACL Committee #403)	100% Concrete Fail
Water Absorption (ASTM C-413)	<1%
Heat Deflection Temp.	140ºF
Thermal Coefficient of Expansion (ASTM D-696)	2.2 x 10-5 in./in./degreesF
Shelf Life	1 year.