

SuperiorTop & SuperiorTop-S - 100% Solids, Trowel Applied, Heavy Duty Flooring System

DESCRIPTION: SUPERIORTOP is a heavy-duty three component, 100% solids, structural epoxy floor surfacing system that provides wear-resistance and protection from damaging substances such as acids, alkalis, oils, fats and solvents. SUPERIORTOP also provides skid-resistance and corrosion protection of new or old masonry substrates. SUPERIORTOP may be sealed with a topcoat to improve abrasion resistance, gloss retention and non-skid properties.

USES: SuperiorTop & SuperiorTop-S 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, Docks & Ramps, Bottling Plants, Automobile Assembly Plants, Textile Mills, and 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

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. Mortar: 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.

SuperiorTop-S: To apply the topcoat of Superior Gloss or Superior Coat over the SuperiorTop mortar overlay: stir each component separately. Clear: Mix 2 volumes of part A with one 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 bottom, with a strong mixing stick or 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 as thick as desired on horizontal surfaces without affecting the cure.

Skid-Proofing: When skid proofing is required, broadcast sand, emery or carborundum into the first coat while still tacky. Apply the second coat to seal.

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

Properties at 77° 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 1/2 sq. ft. @ 1/8" when mixed with 3 parts aggregate.
Physical Properties – 1:3 Mortar	
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.	140°F
Thermal Coefficient of Expansion (ASTM D-696)	2.2 x 10-5 in./in./degreesF
Shelf Life	1 year.