



Safe-T-Grip® 2:1

PRODUCT DATA

PRODUCT DESCRIPTION

Safe-T-Grip® 2:1 is a two-component, 100% solids epoxy hybrid/amine cured polymer designed for use with aggregate as a tough, durable, skid resistant, high friction bonded overlay. Safe-T-Grip® 2:1 is a system comprised of Safe-T-Grip® 2:1 liquid and the custom color aggregate manufactured by Epoplex. Safe-T-Grip® 2:1 liquid is a two-component, 100% solids epoxy hybrid/amine cured polymer formulated to provide a simple volumetric mixing ratio of two volumes of Component A (epoxy hybrid) to one volume of Component B (amine). Safe-T-Grip® 2:1 is designed for use with custom color aggregate, granite and/or calcined bauxite.

USES, APPLICATIONS

Safe-T-Grip® 2:1 may be applied to concrete and asphalt as a long-lasting thin overlay to provide a skid resistant high friction surface in wet and dry weather conditions. Epoplex Safe-T-Grip® 2:1 aggregate is available in a variety of colors. Uses include areas designated for HFST, ramps, intersections, specialty lanes, school zones, cross walks, etc. Safe-T-Grip® 2:1 is not recommended for use over polymeric or magnesium phosphate patching materials.

PRODUCT ADVANTAGES

- 100% solids chemistry
- Hybrid epoxy chemistry maintains flexibility in cold and after aging
- Long-term high friction characteristics
- Excellent bond strength assures good adhesion to the substrate
- Special formulation chemistry for faster set at a wide range of temperatures
- Specified aggregate provides and maintains excellent skid resistance
- Low viscosity and 2:1 mix ratio for easy application

PACKAGING

Component A: Epoxy Hybrid Resin

Component B: Amine

Both components are available in 5 gallon pails, 55 gallon drums and 250 gallon totes.

PHYSICAL CHARACTERISTICS

Percent Solids	100%
Viscosity - Epoxy Hybrid Resin	.800 cP
Viscosity - Amine Resin	.2000 cP
(ASTM D-2196)	
Gel Time @ 77°F/25°C	.20 minutes
(ASTM D-2471)	
Cure Time @ 77°F/25°C	.2 hours
Adhesion	> 300 psi (100% concrete failure)
(ASTM D-7234)	
Hardness, Shore D	75
(ASTM D-2240)	
Tensile Strength	.4200 psi
(ASTM D-638)	
Elongation	60%
(ASTM D-638)	
Water Absorption	.0.24% @ 24 hour
(ASTM D-570)	
Coverage:	
Liquid Binder	.0.36 gallons/sq. yd. (25 sq ft/gallon)
Aggregate	.15-18 lb/square yard
Compressive Strength (Mortar)	
(ASTM C-579)	After 3 hours - 2100 psi After 24 hours - 6500 psi After 7 days - 8700 psi
Cold Flexibility	.Pass
(California Test #419)	
Skid Resistance (Mortar)	Granite - 80
(ASTM E-274)	Bauxite - 84

Note: All properties are tested at 7 days unless otherwise noted.

STORAGE CONDITIONS

Store both components of Safe-T-Grip® 2:1 in a dry area. Avoid excessive heat and do not freeze. The shelf life is two years in the original unopened container.

IMPORTANT:

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