



SAFE-T-GRIP® 1:1

PRODUCT DATA

PRODUCT DESCRIPTION

Safe-T-Grip® 1:1 is a two-component, 100% solids epoxy/amine cured polymer, that is designed for use with aggregate as a tough, durable, skid resistant, high friction bonded overlay. Safe-T-Grip® 1:1 is a liquid binder intended to be used in conjunction with either custom color aggregate manufactured by Epoplex or HFST approved aggregate. Safe-T-Grip® 1:1 is formulated to provide a simple volumetric mixing ratio of one part Component A to one part Component B.

USES, APPLICATIONS

Safe-T-Grip® 1:1 may be applied to concrete or asphalt surfaces as a long-lasting thin overlay to provide a skid resistant high friction surface in wet and dry weather conditions. Epoplex colored aggregate is available in a variety of colors, including bike path green and bus lane red. Possible uses for Safe-T-Grip® 1:1 include highway ramps, intersections, specialty lanes, school zones, cross walks, etc. Safe-T-Grip® 1:1 is not recommended for use over polymeric or magnesium phosphate patching materials.

PRODUCT ADVANTAGES

- 100% solids chemistry
- 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 1:1 mix ratio for easy application

PACKAGING

Component A: Epoxy 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 Resin4720 cP
Viscosity - Amine Resin570 cP (ASTM D-2196)
Gel Time @ 77°F/25°C	15 minutes (ASTM D-2471)
Cure Time @ 77°F/25°C	2.5 hours
Adhesion	> 300 psi (100% concrete failure) (ASTM D-7234)
Hardness, Shore D	65 (ASTM D-2240)
Tensile Strength2650 psi (ASTM D-638)
Elongation	42% (ASTM D-638)
Water Absorption0.3% @ 24 hour (ASTM D-570)
Coverage:	
Liquid Binder0.36 gallons/sq. yd.
Aggregate15-18 lb/sq. yd.
Compressive Strength (Mortar) (ASTM C-579)	After 3 hours - 3100 psi After 24 hours - 8300 psi After 7 days - 9100 psi

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

STORAGE CONDITIONS

Store both components of Safe-T-Grip 1:1 in a dry area. Avoid excessive heat and do not freeze. The shelf life is two years in the original unopened container. Prior to use material should be conditioned to 65-85°F.

IMPORTANT:

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