



# TECHNICAL DATA SHEET

## GRANISEAL

### PRODUCT

The Concrete Protector's GraniSeal is a solvent based, two component, 66% solids polyaspartic aliphatic urethane clear coating. Fast setting - excellent chemical, UV, and abrasion resistance 2 component product (*color pak can be added*).

**STANDARD COLORS:** Clear

### CURE SCHEDULE (70°)

**POT LIFE (1.5 GAL Volume)** 15-20 Mins

**TACK FREE (DRY TO TOUCH)** 1-3 hours

**RECOAT OR TOPCOAT** 2-4 hours

**LIGHT FOOT TRAFFIC** 1-5 hours

**FULL CURE** 28 days

### COVERAGE

Recommended for areas where a thin build clear coat is desired over a broadcast system.

**Typical Coverage over Color Flakes:**

1<sup>st</sup> Coat: 160 sq ft per gal  
2<sup>nd</sup> Coat: 260 sq ft per gal

**Typical Coverage over Quartz (SINGLE broadcast):**

1<sup>st</sup> Coat: 100 sq ft per gal  
2<sup>nd</sup> Coat: 170 sq ft per gal

**Typical Coverage over Quartz (DOUBLE broadcast):**

1<sup>ST</sup> Coat: 100 sq ft per gal  
2<sup>nd</sup> Coat: 120 sq ft per gal  
3<sup>rd</sup> Coat: 200 sq ft per gal

**MIX RATIO:** 1 to 1 by volume

**RECOMMENDED FILM THICKNESS:** 2-9 mils

**PACKAGING INFORMATION:** 2 Gallon Kit  
10 Gallon Kit

### PHYSICAL PROPERTIES

**FLEXURAL STRENGTH:** N/A

**COMPRESSIVE STRENGTH:** 11,900 psi @ ASTM D695

**TENSILE STRENGTH:** 3,800 psi @ ASTM D638

**ADHESION:** N/A

**VISCOSITY:** >250 cps

**ABRASION RESISTANCE:** 1000 gram total load and 500 cycles = 20 mg loss

**ULTIMATE ELONGATION:** 2.5%

**HARDNESS:** Shore D= 80

**VOLATILE ORGANIC CONTENT:** 2.80# per gallon

**SHELF LIFE:** 6 months in unopened containers

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## CHEMICAL RESISTANCE

REAGENT	RATING
MEK	A
1,1,1 TRICHLOROETHANE	NO EFFECT
METHANOL	NO EFFECT
ETHYL ALCOHOL	NO EFFECT
5% ACETIC ACID	NO EFFECT
XYLENE	NO EFFECT
10% SULFURIC ACID	NO EFFECT
10% HYDROCHLORIC ACID	NO EFFECT
SKYDROL	NO EFFECT
50% SODIUM HYDROXIDE	NO EFFECT
URINE	NO EFFECT
BLOOD	NO EFFECT
BRAKE FLUID	NO EFFECT

RATING KEY: A - NOT RECOMMENDED, B - 2 HOUR TERM SPLASH SPILL, C - 8 HOUR TERM SPLASH SPILL, D - 72 HOUR IMMERSION, E - LONG TERM IMMERSION.

NOTE: EXTENSIVE CHEMICAL RESISTANCE INFORMATION IS AVAILABLE THROUGH YOUR SALES REPRESENTATIVE.

## LIMITATIONS

Substrate temperature must be 5°F above dew point.

All new concrete must be cured for at least 30 days prior to application.

Color stability or gloss may be affected by environmental conditions such as high humidity or chemical exposure.

Due to the quick cure rate and dry time, its suggested that the user obtain a sample and thoroughly evaluate the product before using.

Physical properties are typical values and not specifications.

Too thick of an application may result in surface imperfections, or bubbling.

Colors may vary from batch to batch.

## INSTRUCTIONS

**PRODUCT MIXING:** Mix ratio is one to one by volume. Kits are in pre-measured containers and should be mixed as supplied in the kit. After mixing two parts, mix well with slow speed until the material is fully mixed. After mixing, transfer mixed material to another pail and again remix. It is then now ready to apply.

1. Mix up only a little at a time (1/2 gallon: 1 quart of A & 1 quart of B or mix 1 gallon: 2 quarts of A & 2 quarts of B) with a paint stir stick until the two components are mixed together well (45 seconds or so).
2. Immediately pour the entire amount of mixed Graniseal into a puddle/ribbon.
3. Wearing spiked shoes, use a magic trowel to pull the Graniseal tightly across the surface (use gentle down pressure on your magic trowel to leave a thin film behind). *For example, you could move left to right and then back to your left) keep the magic trowel angled and the puddle flowing towards you as you move the magic trowel across the surface.*
4. After an area is done being troweled, use an 18" long 3/8" nap roller and roll (always saturate your roller in a puddle of Graniseal first before rolling).
5. Overlap roller by 1/3rd as you move across the floor.
6. Always work between control joints when possible (do not fill or allow sealer to pour into the control joint). *When pouring sealer on surface, always keep puddle several inches away from the joints (use your saturated roller to coat the joint areas when rolling)*

**SURFACE PREPARATION:** Refer to the TCP Training manual and the ICRI standards for proper surface preparation.

**CLEANUP:** Use xylol

**FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

**RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

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