



TECHNICAL DATA SHEET SUPERTHANE

PRODUCT

The Concrete Protector's SuperThane is a clear, polyurea topcoat, designed for use the Graniflex system. It will perform as a single component sealer, however it is recommended to add 5% - 10% Permafex accelerator to speed up cure and help to cure in low temperature and low humidity environments.

STANDARD COLORS: Clear

OTHER COLORS ALSO AVAILABLE: N/A

CURE SCHEDULE (70°) - 5% -10% ACC

POT LIFE (1.5 GAL Volume) 4-6hrs - 2-4hrs - 1-2hrs

TACK FREE (DRY TO TOUCH) 7-9hrs - 4-6hrs - 3-5hrs

RECOAT OR TOPCOAT 16-36hrs - 8-24hrs 6-24hrs

LIGHT FOOT TRAFFIC 24-36hrs

FULL CURE 28 days

COVERAGE

Recommended showrooms, warehouses, labs, most indoor/outdoor areas with chemical exposures, swimming pool decks, driveways, parking garages vehicular and heavy pedestrian traffic.

COVERAGE PER GALLON: 100-200

MIX RATIO: One component w/accelerator

RECOMMENDED FILM THICKNESS: Under 25 mils per coat

PACKAGING INFORMATION: 1 gallon and 5 gallon

PHYSICAL PROPERTIES

FLEXURAL STRENGTH: No cracks on 1/8" mandrel

COMPRESSIVE STRENGTH: N/A

TENSILE STRENGTH: 7500 psi

ADHESION: 350 psi @ elcometer (concrete failure, no delaminating)

VISCOSITY: 300-600 cps

ABRASION RESISTANCE: 1000 gram total load and 500 cycles = 4.6 mg loss

ULTIMATE ELONGATION: 210%

HARDNESS: 70 Shore D

VOLATILE ORGANIC CONTENT: 2.80lb per gallon 336gm/liter

SHELF LIFE: 6 months in unopened containers

CHEMICAL RESISTANCE

REAGENT	RATING
MEK	B
METHYL ALCOHOL	B
5% ACETIC ACID	C
20% NITRIC ACID	C
GASOLINE	D
ETHYLENE GLYCOL	D
50% SODIUM HYDROXIDE	D
10% SULFURIC ACID	D
10% HYDROCHLORIC ACID	D
XYLENE	E

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

Not for use in California.

For best results, apply a 3/8" nap roller.

Substrate temperature must be 5°F above dew point.

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

The concrete and joints must be thoroughly dry prior to application.

Applying the product thicker than recommended may result in product failure and bubbling.

Not recommended to apply directly to concrete without a suitable primer.

Physical properties are typical values and not specifications.

INSTRUCTIONS

PRODUCT MIXING: This product is a single component product that can be mixed with an accelerator. Stir well before using being careful not to trap air in the product. Only accelerate the amount of product that you intend to use. Take care to keep air away from any unused product. Store any unused product after opening in the smallest metal container possible to avoid shorter shelf life.

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

CLEANUP: Use ketone solvents

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.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR

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