



# TECHNICAL DATA SHEET

# PROTECTORTHANE

## PRODUCT DESCRIPTION

The Concrete Protector's ProtectorThane is a two component polyurethane sealer that has excellent characteristics for flexibility, chemical resistance, weathering and UV stability.

**STANDARD COLORS:** Medium Gray, Dark Tan, Black

**OTHER COLORS ALSO AVAILABLE:** Other colors available upon request

**REVISION DATE:** February 2, 2021

### CURE SCHEDULE (70°)

**POT LIFE (1.5 GAL VOLUME):** 30-45 min

**TACK FREE (DRY TO TOUCH):** 6-8 hours

**RECOAT OR TOPCOAT:** 8-12 hours

**LIGHT FOOT TRAFFIC:** 12-14 hours

**FULL CURE:** 2-7 days

### COVERAGE

Recommended for auto service centers, warehouses, computer rooms, labs, exterior tanks, indoor service centers.

**COVERAGE PER KIT.:** 350-450 sq. ft

**MIX RATIO:** 2 Parts A to 1 Part B

**RECOMMENDED FILM THICKNESS:** 3-5 mils

**PACKAGING INFORMATION:** 1.5 gal., 3 gal. and 15 gal. kits

## PHYSICAL PROPERTIES

**FLEXURAL STRENGTH:** 5,400 psi @ ASTM D790

**COMPRESSIVE STRENGTH:** 9,100 psi @ ASTM D695

**TENSILE STRENGTH:** 4,800 psi @ ASTM D638

**ADHESION:** 350 psi @ elcometer

**VISCOSITY:** 200-500 cps

**ABRASION RESISTANCE:** 1000 gram total load and 500 cycles = 19 mg loss

**ULTIMATE ELONGATION:** 3.1%

**HARDNESS:** Shore D= 70

**VOLATILE ORGANIC CONTENT:** Less than 4.0 pounds per gallon

**SHELF LIFE:** 1 year 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
10% SODIUM HYDROXIDE	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.



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### LIMITATIONS

- Substrate temperature must be 5°F above dew point
- All new concrete must be cured for at least 30 days prior to application
- Applications in high humidity or high temperature may cause surface curing before air release has occurred
- Light or bright colors may require multiple coats
- This product is not UV color stable and may discolor when exposed to UV lighting

### BENEFITS

- Great Flexibility
- Abrasion and Impact Resistant
- Tear Resistant and High Tensile Strength
- Water, Oil, and Grease Resistance
- Good insulating properties
- Mild, Mildew, and FUnsus Resistant

### INSTRUCTIONS

- 1) Combine 2 parts of Part A and 1 part of Part B, mix thoroughly with a low speed mixer
- 2) Apply to surface using a notched squeegee, magic trowel, or 3/8" nap roller

### NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY:

The Concrete Protector (Division of Incredible Products, LLC), warrants that all products are assembled under rigorous quality assurance specifications and that all information supplied is exact. All information supplied is not to be taken as a warranty, but for you to conduct your own test to determine if the given product is suitable for your distinct purpose. The following list of properties should not be interpreted as specifications. CONVEYED OR SUGGESTED, NO WARRANTY IS BUILT UPON ANY DISCOVERED RESULTS OR INFORMATION YOU WILL OBTAIN DURING USE. CONVEYED OR SUGGESTED NO WARRANTY IS BUILT THAT THE GIVEN PRODUCT SHALL BE MARKETABLE OR THAT THE GIVEN PRODUCT WILL BE FIT FOR ANY DISTINCT PURPOSE. NO WARRANTY IS BUILT UPON SAID INFORMATION OR THAT THE GIVEN PRODUCT WILL NOT INFRINGE UPON ANY PATENT. The Concrete Protector is NOT liable for, direct or indirect, inadvertent or consequential damages. The Concrete Protector's liability is and will only be limited to the net selling price of our products or, at our discretion, the replacement of our products. Upon delivery of our products, your acceptance means that you accept all terms of this warranty even if other documents and or purchase orders astray from the terms of this warranty. No representative, on our behalf, is permitted to make any representation, warranty, or assume liability with any sale of our products. OUR PRODUCTS CONTAIN CHEMICALS THAT CAN CAUSE SERIOUS PHYSICAL INJURY. BEFORE THE USE OF OUR PRODUCTS, READ ALL MATERIAL AND FOLLOW ALL LISTED PRECAUTIONS TO AVOID ANY BODILY HARM