



TECHNICAL DATA SHEET

PROTECTORTHANE

PRODUCT DESCRIPTION

The Concrete Protector's ProtectorThane is a two component polyester/aliphatic polyurethane coating which exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering, and UV stability.

STANDARD COLORS: Medium Gray, Dark Tan, Black

OTHER COLORS ALSO AVAILABLE: Other colors available upon request

REVISION DATE: May 16, 2024

CURE SCHEDULE (70°)

POT LIFE (1.5 GAL VOLUME): 2-4 hours
TACK FREE (DRY TO TOUCH): 3-5 hours
RECOAT OR TOPCOAT: 5-9 hours
LIGHT FOOT TRAFFIC: 14-24 hours
FULL CURE: 3-5 days

COVERAGE

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

COVERAGE PER KIT.: 320-500 sq. ft

MIX RATIO: 2 Parts A to 1 Part B

RECOMMENDED FILM THICKNESS: 3-5 mils

PACKAGING INFORMATION: 3 gal.kits and 15 gal kits

PHYSICAL PROPERTIES

IMPACT RESISTANCE: Gardner Impact, direct & reverse=160 in lb (passed)

SOLIDS BY VOLUME: Mixed= 70% (colors); 60% (clear) (+/- 2%)

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

VISCOSITY: Mixed= 200-600 cps (typical)

ABRASION RESISTANCE: Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 22.0 mg loss

SOLIDS BY WEIGHT: Mixed= 73% (colors); 64% (clear) (+/- 2%)

HARDNESS: Shore D= 62

VOLATILE ORGANIC CONTENT: Less than 335 g/l (mixed)

SHELF LIFE: 1 year in unopened containers

CHEMICAL RESISTANCE

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

BENEFITS

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