INDURON
PROTECTIVE COATINGS
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TECHNICAL DATA

PERMA-TUFF WC

COATING DATA

DESCRIPTION:
PERMA-TUFF WC is a two component, 99% solids, high performance, very low odor epoxy coating. This epoxy coating employs a special resin and curing agent that provide a high gloss, seamless surface that is chemically resistant, durable and very low yellowing. Its film thickness can be varied to accommodate a wide range of conditions. Perma-Tuff WC is an excellent finish for masonry walls and ceilings in food, beverage, pharmaceutical, water/waste water treatment plants, chemical processing and many other applications.

USE:
As a high performance protective coating for properly prepared masonry, steel and non-ferrous substrates.

SURFACE PREPARATION:
Masonry Block – Substrate shall be clean and dry. Mortar joints must be at least 28 days old. Remove any loose mortar, splatters, fins and protrusions. ***Poured/precast concrete*** – Concrete must cure at least 28 days. Remove surface laitance by uniformly sweep blasting, grinding or with muriatic acid etching. ***Previously Painted Surfaces*** - Remove all poorly adhering old paint and all surface contaminants such as chalk, salts, oil, and grease. Hard, glossy surfaces should be aggressively sanded. If there is uncertainty concerning the suitability of a surface, apply a test patch and test adhesion after 24 hours.
Steel – Prepare in accordance with SSPC-SP 6/NACE 3 Commercial Blast Cleaning.
Non-ferrous and galvanized metals – Prepare in accordance with SSPC-SP 2/3 Hand and Power Tool Cleaning to remove any contaminants and provide a profile for adhesion.

PRIMERS:
Poured/precast concrete, ***masonry and block –*** Polyfill epoxy block filler or Mortarchem.
Steel – MC/DF67 Indurazinc, MC ONE 67 Indurazinc, Perma-Clean II, Perma-Clean 3, Induramastic 85, E-Bond 100. ***Non-ferrous and galvanized metals –*** Vinyl Wash Primer, Induramastic 85 or E-Bond 100.

COVERAGE:
Theoretical – 1600 ft sq per gallon at 1.0 mil dry film thickness.

DRY FILM THICKNESS:
5-15 mils per coat

WET FILM THICKNESS:
5-15 mils per coat

APPLICATION DATA

APPLICATION:
Apply Perma-Tuff WC at approximately 100-300 square feet per gallon by brush, roller or spray. If spray applied, back roll and lay off in the same direction with a non-shed fine nap roller.

BLEND RATIO:
Add PERMA-TUFF WC Part B Activator to PERMA-TUFF WC Part A Base. Premix Part A for approximately one minute then pour activator into premixed part A. Mix 2 to 3 minutes moving blade around while mixing. Avoid whipping air into material. It is strongly recommended that only full units be used, that both components are thoroughly mixed, and that all material from the bottom and sides of the container is mixed. Use of partial kits is not recommended. Do not scrape or drain mixing containers. Do not thin this material.

POT LIFE:
20 minutes @90F, 45 minutes at 70˚ F, 90 minutes @50F.

CLIMATE:
Storage of this material at temperatures between 60-80˚ F will enhance the workability of the mixed material. Use this product only if the substrate temperature and ambient air temperature are between 50º F minimum and 100º F maximum. Also, the substrate must be 5º F above the dew point for a period of two hours after application to avoid condensation occurring on a wet coating.

CURING TIME:
To recoat: 8 hours minimum at 72º F, overnight at 50F, @ 50% RH,
Full Cure: 5 days at 72º F, 10 days at 50F, @ 50% RH
Note: Lower temperature, higher film build, and/or poor ventilation will retard dry time.

PHYSICAL DATA:
Volume Solids Mixed: 98.5 ± 0.2
Solids by Weight Mixed: 99 ± 0.2
Weight per Gallon: 13.45 ± 0.2 lbs
Volatile Organic Compounds: 0.7 lbs/gallon
Hazardous Air Pollutants (HAPS): 0.0 lbs/gallon
Colors: A wide variety of colors.

SAFETY DATA:
See individual product label for safety and health information. Individual Material Safety Data Sheets are available upon request.