TuffTex Materials
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RepPoxy WP

Waterproofing Epoxy Concrete Sealer

DESCRIPTION:
RepPoxy WP is a high solids, two part epoxy coating system That is designed as a waterproofing sealant and protective coat for concrete and steel surfaces. Multiple coat applications without a primer are easy. **RepPoxy WP** can be made in multiple colors with a minimum quantity requirement.

USES:
- Coating end caps, bents, and concrete columns
- Sealing of concrete floors and walls
- Waterproofing of any concrete substrates
- Abrasion resistant finish for concrete
- Warehouse floors w/ Rubber-wheeled vehicles
- Heavy foot traffic
- High abrasion and chemical resistance areas
- Automotive service areas, showroom flooring
- Laboratories, Clean rooms

FEATURES:
- 99% solids epoxy coating system
- Antimicrobial additives
- Suitable for use in USDA inspected facilities
- Minimal sag on vertical surfaces
- Seals moisture away from concrete cracks
- Protects concrete reinforcing
- Low viscosity for easy application
- Long pot life
- Pre-measured packaging of components.
- Minimal shrinkage upon cure
- Prolongs service life of concrete surfaces
- Exceptional tensile strength
- Good chemical resistance for long-term protection
- ·Easily applied with paint-like viscosity
- Available in standard colors on request
- Excellent bonding to all structural substrates
- Super abrasion resistance for long-term wear.
- Fast in service time - 24 Hours or less

TECHNICAL:
RepPoxy WP meets or exceeds the ASTM C881, Types I and IV, Grade 1, Class C standard.
Meets requirements for TXDOT DMS-6100 Type X Epoxy.

COVERAGE GUIDE:
100 sq. ft / gallon (9.3 sq. m / 3.8 liter)

PREPARATION:
Proper surface preparation is imperative for maximum service life. The concrete surface to be coated should be cleaned of all dirt, oil, grease, loose particles, and previous coatings. This is best achieved by sandblasting and or water blasting, then ensuring that the surface is completely dry. For best adhesion results, apply **TuffTex PrepEtch,** eco-friendly etcher, for 20-30 min on cleaned concrete surface to be coated in order to achieve a Concrete Surface Profile of 3.

MIXING:
Combine and mix **RepPoxy WP** components Resin Side A and Converter Side B in proportional parts as packaged by the manufacturer. A mechanical agitator such as a power drill with a mixing paddle attached should be used for about one minute per gallon of material being mixed. Hand mixing should be limited to very small projects. When using **RepPoxy WP** epoxy, combine three parts of Side A and 1 part of Side B. Mix thoroughly. Properly mixed, the epoxy will be uniform gray, without visible streaks.

APPLICATION:
Apply a thin, uniform film of mixed **RepPoxy WP** to the substrate to be coated using a brush, roller or airless spray equipment at a spread rate of 100 square feet per gallon to yield 14 to 15 mils WFT making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

CLEAN UP:
Uncured epoxy may be cleaned off of tools with Methyl Ethyl Ketone (MEK), Toluene, Xylene, or solvent blends.
Caution: These solvents may damage plastics

PACKAGING:
1 Gallon Unit:
Side A: 1 gallon can containing ¾ gallons Base (2.84 liters)
Side B: 1 quart can Converter (0.95 liters)
4 Gallon Unit:
Side A: 1 pail containing 3 gallons Base (11.36 liters) Side B: Disposable hdpe Tray with nylon bag containing 1 gallon Converter (3.8 liters)
(Side A and Side B are packaged together in the same pail)

COLOR:
Concrete Gray
Custom colors available upon request

STORAGE:
The material should be stored between 40°F – 95°F (4°C – 35°C) in a cool, dry area away from direct sunlight.

SHELF LIFE:
The shelf life of properly stored, unopened containers is 12 months (one year). An excessive temperature differential and/or high humidity can shorten the shelf life expectancy.

LIMITATIONS:
DO NOT place at temperatures below 40o F (5o C). Avoid hazards by following all precautions found in the Safety Data Sheets (SDS), product labels, and technical literature. Wear protective gloves and goggles. Avoid prolonged skin contact.

ENVIRONMENTAL REQUIREMENTS:
Follow sound environmental practices when disposing of epoxy wastes. Dispose of all empty containers separately. Dispose of leftover material by mixing epoxy and allowing to cure prior to disposal.

PHYSICALS:

Test	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles	76 mg loss
Adhesion	ACI 503R	300 psi, concrete failure
Flammability		Self-extinguishing over concrete
Flexural Strength	ASTM D 790	~12,400 psi
Hardness, Shore D	ASTM D 2240	77
Mixing Ratio		3:1 by Volume
Pot Life		80 min @ 77^{0}F (25^{0}C)
Solids		99.05% by weight
Dry Time		8 hours
Recoat Time		8 to 24 hours
Final Cure		7 Days
Impact Resistance	MIL-D-3134J	Direct: 160 in-lb Reverse: 20 in-lb
***Surface Burning**	ASTME84/ NFPA 255	Flame Spread Index 20; Smoke Development Index 90
Tensile Strength	ASTM D 638	3527.4 psi

WARRANTY*:*
Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

DISCLAIMER:
Refer to the SDS sheet before use. The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of **TuffTex Materials, Inc**. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact your local **TuffTex Materials, Inc.** distributor or technical representative for additional technical data and instructions.