



TECHNICAL DATA

TUFF-POXY PRIMER #7-WB

TWO-COMPONENT, WATERBORNE, EPOXY PRIMER/SEALER

1. PRODUCT DESCRIPTION

TUFFLEX POLYMERS TUFF-POXY #7-WB is a fast drying, two-component, water based epoxy primer for use with various TUFFLEX polyurethane and UREA-TUFF polyurea deck coating and roof coating systems. The product is low odor and is non-flammable.

Composition: TUFF-POXY #7-WB is a Bisphenol A-Epichlorohydrin epoxy resin cured with a modified amido amine. It is designed for easy mixing with a simple 3.5 to 1 volume ratio. The primer/sealer may be applied after thoroughly mixing the two components together and applying without induction period.

Basic Uses: TUFF-POXY #7-WB is specially formulated as a primer for various TUFFLEX polyurethane coating systems and UREA-TUFF 6500 – RC polyurea systems. TUFF-POXY #7-WB will set up to form a sound surface for polyurethanes to adhere to. TUFF-POXY #7-WB has excellent adhesion to concrete and wood and has good asphalt blocking resistance. (Not recommended for untreated metal or as an interlaminary primer.)

TUFF-POXY #7-WB is also used as a primer/sealer for various substrates including surface treated metal, wood, plywood, and concrete. It is insensitive to humid application conditions and will cure and adhere well on slightly damp concrete or wood which has surface dried. Tests have shown that the use of TUFF-POXY #7-WB as a barrier coat significantly reduces the incidence of pinholing and surface imperfections in polyurethane waterproofing membrane installations as compared to similar applications on an untreated substrate. TUFF-POXY #7-WB enhances the long term adhesion of the waterproofing membrane to the substrate.

Color: "A" Component is clear to yellowish-clear.
"B" Component is yellowish to amber color.

Packaging: 1.5 gallon kits, 4.5 gallon kits.

Limitations: Surfaces to be coated should be surface dry, clean, and free of foreign material. The TUFF-POXY #7-WB coating must be allowed to cure for a minimum of 2 to 4 hours at 77° F if substrate coated is in the shade or indoors and 1 to 2 hours if exposed to direct sunlight. The base coat should be applied over the TUFF-POXY #7-WB within 24 hours; 8 hours if substrate temperature is 85° F or above. TUFF-POXY #7-WB cures faster when applied under warm temperatures and low humidity conditions and slower when applied during cool weather and high humidity conditions.

2. INSTALLATION

Surface Preparation:

- All surfaces which are to be coated with TUFF-POXY #7-WB must be free of contamination such as curing compounds, concrete hardeners, bond breakers, paint, etc.
- Water-curing concrete is recommended instead of using concrete curing compounds.
- All surfaces must be clean and sound. DO NOT apply over damp surfaces.
- Sandblasting is recommended when possible. Otherwise acid etching or wire brushing may be sufficient.

Coverage: 250-300 sq. ft. per gallon on porous surfaces. Up to 350-400 sq. ft. per gallon on smooth surfaces.

For Best Results:

- Do not over apply the primer. All water must be allowed to evaporate before application of the deck coating or membrane roof coating.
- The surface that has been coated with TUFF-POXY #7-WB should be coated over within 8 hours. If for some reason the primer is allowed to totally cure to a hard, glass-like finish, the surface should be sanded and re-primed with another coat of TUFF-POXY #7-WB before coating over with the next step of deck coating system. TUFF-POXY #7-WB may be applied by brush, roller or spray.

Clean Up: Clean tools with detergent and water. Use disposable roller cover and discard properly after use. Acetone could be used for cleaning

tools and equipment using proper precautionary measures.

Temperature Constraints:

- Minimum application temperature is 40° F (4° C) and rising and more than 5° F above dew point.
- Contact Technical Service when substrates are over 90° F (32° C) or under 40° F (4° C).
- Avoid application when inclement weather is present or imminent.
- Do not apply to damp, wet, or contaminated surfaces.

3. AVAILABILITY AND COST

TUFF-POXY #7-WB is supplied through Building Material Distributors. Prices vary with quantity and packaging. For the name of your nearest Distributor please contact the factory. THESE PRODUCTS ARE DESIGNED AND MANUFACTURED TO BE INSTALLED BY PROFESSIONAL INSTALLERS FAMILIAR WITH SURFACE PREPARATION AND APPLICATION PROCEDURES. ALL OTHERS SHOULD CONSULT A PROFESSIONAL INSTALLER. THOSE WHO CHOOSE TO INSTALL THESE PRODUCTS WITHOUT PROFESSIONAL ASSISTANCE DO SO AT THEIR OWN RISK.

4. TECHNICAL SERVICE

Technical assistance is available by contacting

TUFFLEX POLYMERS
10880 Poplar Avenue
Fontana, California 92337
Phone: (909) 349-2016
Fax: (909) 823-6309

5. TECHNICAL DATA

PROPERTY	TYPICAL RESULTS
Consistency	Fluid, self-leveling mixture
Color	Yellowish to amber
Weight per Gallon	8.7 lbs. (@77° F)
Viscosity (Brookfield) A	10-14 poise
Viscosity (Brookfield) B	1-3 poise
Pot Life	30-90 minutes (@ 77° F)
Dry to Touch	1-2 hours (@ 77° F, 50% RH min sunlight) [Shaded areas may require longer time to cure]
Mix Ratio	3.5 : 1 A / B (Kits are proportioned by volume)
Solid Content	35% ± 2% (Mixed)
VOC Content	20 gm/l
Shelf Life	9 months minimum (unopened containers stored in cool, dry locations)
Cure Time	Minimum 1-2 hours, 8 hours maximum

6. PRECAUTIONS

Contains epoxy and amines. Personnel should wear protective clothing and gloves, avoid contact of material with skin or eyes, and avoid breathing vapors. Mix and apply in well-ventilated areas and observe normal safety precautions. This product is for professional use only.

7. LIMITED WARRANTY

TUFFLEX POLYMERS (TUFFLEX) warrants this product to be free of defects in workmanship and materials only at the time of shipment from

our factory. If any TUFFLEX materials prove to contain manufacturing defects that substantially affect their performance, TUFFLEX will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by TUFFLEX with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. TUFFLEX specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of TUFFLEX's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the TUFFLEX material in question.

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