



TECHNICAL DATA

TUFF-POXY #7-WB

THREE-COMPONENT, WATERBORNE EPOXY PRIMER

1. PRODUCT DESCRIPTION

TUFF-POXY #7-WB is a three-component (resin, hardener and water), water-borne epoxy primer with low VOC and low odor. TUFF-POXY #7-WB is a fast-drying epoxy primer for use with various TUFFLEX Polymers UREA-TUFF polyurethane and UREA-TUFF polyurea deck coating and roof coating systems.

Features:

- Low VOC
- Fast Dry Time
- Moisture Tolerant
- Low Odor

Typical Uses:

- Concrete
- Plywood
- Previously Coated Surfaces

Packaging:

Kit yields 5 gallons of mixed products. The kit contains:
2.25 gallons of Base Resin (Part A)
0.9 gallons of Hardener Curing Agent (Part B)
1.85 gallons of potable water (not included)

2. MIXING

It is important to remember that TUFF-POXY #7-WB has a limited pot life (1 hour). #7-WB Primer Base Resin (Part A) is black in color and #7-WB Curing Agent (Part B) is amber in color.

- Pre-mix Part A and B components briefly.
- Add 0.9 gallon of Curing Agent (Part B) to 2.25 gallons of Base Resin (Part A).
- Mix thoroughly with a Jiffy blade for 3 minutes. Mix until the color reaches a uniform black color.
- Slowly add 1.85 gallons of potable water to the mixture while under agitation.
- Mix for an additional 2 minutes until the contents are fully dispersed. The fully mixed material will appear as a thin to medium thickness black liquid. Do not mix material in an up and down motion to avoid trapping bubbles or creating a foam.

3. APPLICATION

TUFF-POXY #7-WB Primer should be applied by airless spray onto a properly prepared substrate or applied by spreading the material using a flat squeegee followed by strong backrolling. TUFF-POXY #7-WB is a medium viscosity product and it is recommended to let it flow out in front of the squeegee.

Strongly backroll the primer in order to allow for sufficient wetting of the surface and to ensure that the recommended coverage rate (300-350 square feet / gal.) is achieved. Immediately follow the spray or squeegee application by backrolling the covered area, utilizing a ¼" nap roller, to eliminate any puddles on the surface. Minimize the overlap from batch to batch applications while achieving complete surface coverage. The primer cures more rapidly when applied in sunny warm conditions.

4. RECOAT WINDOW

TUFF-POXY #7-WB has a recoat window of 8 to 24 hours. If the maximum recoat window is missed (24 hours), re-sand the surface with 80 grit sand paper, followed by a thorough sweeping and vacuuming of the area. Then lightly re-prime.

5. STORAGE

TUFF-POXY #7-WB has a shelf-life of one (1) year in its original, unopened container under proper storage conditions. Store dry between 40°F - 90°F (5° - 32°C).

6. TECHNICAL SERVICE

Technical assistance is available by contacting:

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

7. TECHNICAL DATA

PROPERTY	TYPICAL VALUE
Coverage Rate	1 gal. / 300-350 sq. ft. 0.135 l / m ²
Dry Film Thickness per Coat	1 ½-2 mils
Pot Life	Approx. 1 hr. @ 77°F
Flash Point	> 200°F (93.3°C)
Cure Time	4 - 8 hrs. @ 77°F, 50% R.H.
Recoat Time (Maximum)	8 - 24 hrs. @ 77°F to apply base coat
Total Solids by Weight, ASTM D-2369	38% ± 2%
Volatile Organic Content	<20 gm / liter

8. SAFETY

Remember to review the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is only intended for industrial use by properly trained professional applicators.

9. LIMITATIONS

The following information is meant to be used as a general guideline only. Consult the project specification and your TUFFLEX representative for specific installation procedures. TUFF-POXY #7-WB Primer must be protected from freezing.

If TUFF-POXY #7-WB Primer is frozen, DO NOT USE. Minimum/maximum substrate temperature: 60°F / 90°F (15.5°C / 32°C). Minimum/maximum relative humidity: 10% / 85%.

Substrate temperature must be 5°F (3°C) above measured dew point. Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F 1869. Maximum acceptance test results is 8 pounds per 1,000 sq. ft. per 24 hours. TUFF-POXY #7-WB Primer is NOT designed for exterior exposure, immersion, or any use where moisture can reach the underside of the resurfacer. Freshly applied TUFF-POXY #7-WB Primer should be protected from dampness, condensation and water for at least 24 hrs.

Do not add any type of thinner to TUFF-POXY #7-WB Primer. Addition of thinners will slow the cure rate and reduce the ultimate properties of TUFF-POXY #7-WB Primer.

TUFF-POXY #7-WB Primer will discolor when exposed to sunlight (UV) and under certain artificial lighting conditions. It must always be coated with a UV resistant, light stable top coat.

10. CAUTION

TUFF-POXY #7-WB Primer Resin (Part B)

WARNING – IRRITANT, SENSITIZER. Contains epoxy resins. Eye irritant. May cause skin/respiratory irritation. Prolonged and/or repeated contact with skin may cause allergic reaction/sensitization. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Harmful if swallowed. Strictly follow all use, handling and storage instructions.

TUFF-POXY #7-WB Primer Hardener (Part A)

WARNING – CORROSIVE, SENSITIZER, IRRITANT. Contains amines (mixture). Contact with skin and eyes causes severe burns. Respiratory irritant. May cause eye/skin irritation. Possible skin sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed. Deliberate concentration of vapors for inhalation is harmful.

11. 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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