



## WCP-E100

### Water Curable Polyurethane Elastomer

#### TECHNICAL DATA

Hardness, ASTM D-2240 .....	60 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .....	250 ± 25 pli 44 ± 5 kNm
Tensile Strength, ASTM D-412 .....	1350 ± 150 psi 9.3 ± 1 MPa
Ultimate Elongation, ASTM D-412 .....	675 ± 100%
Water Absorption by weight, ASTM D-471 .....	0.05%
Total Solids by Weight, ASTM D-2369 .....	95 ± 2%
Total Solids by Volume, ASTM D-2697 .....	93 ± 2%
Volatile Organic Compounds, ASTM D-2369-81 .....	<0.5 lb/gal

#### DESCRIPTION

ENDURIT WCP-E100 is a solvent free, TDI free, single component, liquid applied, water catalyzed, polyurethane elastomeric waterproofing membrane.

#### FEATURES

- Solvent Free
- TDI Free
- High Tensile
- Proven Protection
- Seamless Waterproofing Membrane
- Optional Fast Cure with Added Accelerator
- ENDURIT Thixo can be used as an additive to ENDURIT WCP-E100 for vertical applications

#### TYPICAL USES

- Auto Traffic
- Concrete Patching
- Pedestrian Traffic
- Ship Deck Overlays
- Concrete Bridges
- Concrete or Plywood Decks
- Most Metal, Wood, or Masonry Surfaces

#### COLORS

White/Grey

#### PACKAGING

1 gallon (3.78 liter) can with a partial vial of catalyst

5 gallon (19 liter) pail with a full vial of catalyst

55 gallon drums, net fill 50 gallons (189 liters) with a 1/2 pint can of catalyst.

#### MIXING

Before application, pre-mix ENDURIT WCP-E100 using a mechanical mixer (Jiffy Mixer) at slow speeds or mix for at least 5 minutes, if mixed by hand. Mix ENDURIT WCP-100 thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

Optional: Add ENDURIT WCP-E100 Catalyst (1 vial per 5 gallon pail) and mix until a homogeneous mixture and color is obtained. Allow mixture to stand for 5 minutes, then mix again before applying to the substrate. ENDURIT WCP-E100 Catalyst will reduce cure time for cold temperature applications. Up to 3 vials of ENDURIT WCP-E100 Catalyst per one 5 gallon pail of ENDURIT WCP-100 may be used.

#### BESSERN

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# **WCP-E100**

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## **APPLICATION**

Mix pre-accelerated ENDURIT WCP-E100 with water at a ratio of 4:1 (4 gallons of E-Tuff® 100: 1 gallon of water) by volume. Mix thoroughly until water is completely combined with ENDURIT WCP-E100.

## **CURING**

Allow each coat to cure (depending on environmental conditions and temperature) a minimum of 2-4 hours and a maximum of 24 hours. If more than 24 hours passes between coats, re-prime the surface with recommended ENDURIT Primer before proceeding.

ENDURIT WCP-100 is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

## **EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

## **STORAGE**

ENDURIT WCP-100 has a shelf life of six (6) months from date of manufacture in original, factory sealed containers when stored at 75°F.

## **LIMITATIONS**

Ensure that the substrate is properly prepared prior to application. Surfaces to be coated with ENDURIT WCP- E100 must be dry, clean, free of foreign matter, and primed with recommended ENDURIT Primer.

Any remaining material must be tightly sealed to protect it against curing in its container. Containers that have been opened must be used within 1 or 2 weeks since ENDURIT WCP-E100 is a moisture reactive material that begins to cure when exposed to air.

ENDURIT WCP-E100 should not be diluted with solvents.

## **WARNING**

**This product contains Isocyanates.**

For storage and disposal, and health precautions, please refer to product MSDS and labels.

**Please read all information in the general guidelines, product data sheets, system specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local BESSERN representative for current technical data and instructions.**

## **DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy themselves, by their own information and test, to determine suitability of the product for their own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein is the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and BESSERN makes no claim that these tests or any other tests accurately represent all environments.

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