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
Building Products
1400 North Providence Road
Media, PA 19063
Tel: 484-234-5030 ◆ Fax: 484-234-5037 ◆ www.everchem.com

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.

BESSERN
Building Products
1400 North Providence Road
Media, PA 19063
Tel: 484-234-5030 ◆ Fax: 484-234-5037 ◆ www.everchem.com