

Duratrem® EP

An Epoxy Patch and Repair Mortar for Concrete Floors

Composition: Duratrem® EP is a two component epoxy based formulation that employs a 100% solids epoxy resin and selected hardeners.

Basic Uses: Duratrem EP is used to patch worn areas or holes in concrete floors. Duratrem EP can withstand heavy traffic loads due to its 100% solids formulation. It is an excellent patching compound easily used by in-house personnel. Duratrem EP has excellent unprimed adhesion to most concrete and masonry surfaces, however, TREMBond may be used as a primer to improve adhesion.

Duratrem EP provides excellent chemical resistance to most acids, alkalis, salt solutions, and oils. Because it develops excellent bond strength and has a non-sag, lightweight consistency, it is used to permanently patch and repair horizontal, vertical, overhead voids and damaged concrete.

Limitations:

- Duratrem should not be used in certain chemical environments. Contact your Tremco Representative for details.
- Do not apply in areas of intermittent wet and/or dry heat above 180°F.
- Do not apply below 60°F or above 85°F.
- Do not apply over damp or oil-soaked surfaces.

Trial Area: Your Tremco Representative may suggest a trial area, which will allow you to evaluate one or more Tremco systems under actual plant conditions.

Grade:

Duratrem: Hand trowel.
TREMBond primer: Brush/roll.

Packaging: Available in 3.6 US gallon (13.6L) kits consisting of (1) 2 gal pail of Part A curative and (1) 2 gal pail of Part B (resin).

Colors: Concrete gray.

Storage Life: 3 years in original, unopened container.

APPLICATION DATA

Surface Preparation:

Maintenance use - Floor surface must be clean, dry and free of oil, waxes, chemicals and grease. Before applying Duratrem EP, check for hydrostatic pressure. Depending on condition of floor surface, approved mechanical and/or chemical preparation must be done to ensure proper bonding of material.

Mixing:

Using a heavy-duty, low-speed drill and Jiffy Mixer, add Part A to Part B in a separate, clean container and mix for 2 minutes minimum. Smaller amounts may be mixed at 1:1 ratio by volume. Mixing is complete when product has uniform gray color with no white streaks.

Product Advantages	
Features	Benefits
TREMBond primer	• Creates exceptional adhesion to surface
100% solids epoxy	• Combines with selected aggregates offering excellent compressive strength
1 hour pot life @ 75°F	• Allows sufficient time to use all mixed material
Quick cure	• Allows for complete, weekend projects • Minimal down time
1:1 Ratio mix	• Perfect for small repair projects • Minimal waste



Roofing & Weatherproofing Peace of Mind™

Application:

After mixing components, apply TREMBond primer with clean, dry medium nap roller. Over wet primer apply Duratrem EP using a steel trowel. Allow to cure 8 to 16 hours for walking and light traffic. Ultimate cure requires 7 days.

Coverage:

Duratrem EP: 8 ft²/gal. @ 3/16" thickness.
TREMBond (primer): 100-125 ft²/gal. Rates may vary depending on actual surface conditions.

Safe Handling Procedures: Avoid skin contact to prevent possible irritation. If contact occurs, wash immediately with warm water and soap. Exposed food can become contaminated by vapors. Cured film is not toxic to skin contact.

Precautions: Users must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

Availability and Cost: Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 416/421-3300 in Canada and 216/292-5000 in the U.S.

Maintenance: Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

Guarantee/Warranty: Tremco Inc. warrants Duratrem EP to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any Duratrem product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Physical Performance Characteristics**Duratrem® EP**

Property	Typical Value	Test Method
Tensile strength	1,300 psi	ASTM C 307
Flexural strength	2,200 psi	ASTM D 580
Compressive strength	5,000 psi	ASTM C 579
Hardness (Shore D)	60	ASTM D 2240
Pot life	60 minutes @ 75°F	ASTM D 2471
Density	27.0 lbs./gal (87 g/cm ³)	ASTM D 1475

Technical Services: Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

Statement of Policy and Responsibility:

Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation. As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

TREMCOAn **RPM** Company

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