

Durex® Dur-E-Poxy (MP)

100% Two Part Epoxy Bonder and Anti-Corrosion Agent

Description	Durex® Dur-E-Poxy (MP) is a green two-component water-based, high performance primer.
Uses	Durex® Dur-E-Poxy can be used over concrete and metal substrate. It is specially formulated to meet the conditions and properties required for priming of steel for the protection of steel from corrosion.
Ideal For	<ul style="list-style-type: none"> • As a metal primer for general industry corrosion protection of steel • Aluminum and steel structure metal primer • General Service Epoxy concrete floor primer
Advantages	<ul style="list-style-type: none"> • Water-based • Extra low V.O.C and odour free • Excellent adhesion to wide variety of substrates • Fast dry and early water resistance and hardness development • Non-flammable • Outstanding water and chemical resistance • Excellent leveling and flow properties • No induction time • Good anticorrosion properties

TECHNICAL DATA

PHYSICAL PROPERTIES

Specific Gravity	Component 'A' (Resin): 1.22 Component 'B' (Hardener): 0.96 Component 'A' and 'B' mixed: 1.07
Viscosity (cps)	Component 'A' (Resin): 2,500 ± 3,000 Component 'B' (Hardener): 450 ± 50 Component 'A' and 'B' mixed: 2,000
Colour	Component 'A' (Resin): Clear or Pigmented Component 'B' (Hardener): Clear Amber Component 'A' and 'B' mixed: Clear or Pigmented
Pot Life 200g @ 25°C	2-3 hours
Drying time @ 25°C	To touch: 2 hours To Recoat: 3 hours Light Traffic: 6 hours Fully Cure: 7 days

Physical Testing

Salt Spray ASTM B 117

- 1) Sand Blasted Steel (3-4 mil DFT) 700 hrs: No Face Blisters, No Face Rusts, Creepage at the Scribe
- 2) Cold Rolled Steel (2-3 mil DFT) 700 hrs: No Face Blisters, No Face Rusts, Creepage at the Scribe 5 (3-5mm).
- 3) Aluminum (2-3 mil DFT) 700 hrs: No Face Blisters, No Face Rusts, Creepage at the Scribe.

Cleveland Humidity ASTM D 4585

Cold Roll Steel (2-3 mil DFT) 700 hrs: 8F (Small Very Few Blisters), No Face Rust, Fading.

Packaging

Durex® Dur-E-Poxy is package in 1 qt, 1 gal, 3 gal and 5 gal kits.

Storage

Store Durex® Dur-e-Poxy has a shelf life of 12 month when stored in a dry, cool area. **KEEP FROM FREEZING.**

Mixing Procedure

Open component 'A' and agitate resin until evenly blended. Open component 'B' and pour entire contents into component 'A' container. Agitate with low speed power mixer (200-300 rpm) until one even colour develops.

Application	<p>Dur-E-Poxy (MP) may be applied at temperatures down to 0°C (32°F). Cure time is significantly longer at colder temperature and may be dramatically less under direct sunlight or other sources of heat.</p> <p>The recommended dry film thickness (DFT) is 4-Mils (100 microns) which is almost equivalent to 8-10 wet film thickness. This thickness is achieved by airless spray or HVLP spray guns.</p> <p>If Dur-E-Poxy (MP) is designed as a one coat system; therefore, one-coat application is sufficient to cover the entire surface.</p> <p>No induction time (Standing Time) is required. Do not let the mixed paint stand for more than 4 hours. If product is used beyond the recommended pot life (2-3 hours), paint may appear to have uneven gloss and colour and higher viscosity (thick consistency). Temperature and humidity affect drying time.</p>
Limitations	Do not use this product if temperature is less than 10°C (50°F) and humidity is > 70%.
Clean-up	Wash all tools and equipment immediately with warm water and mild detergent.
Health and Safety	Dur-E-Poxy (MP) is non-toxic and non-flammable. Your skin might be sensitive to Amine. We recommend use of rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritating occurs. Harmful if swallowed, do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children.
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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