

# Durex® Uraflex Primer

## 100% Solids Urethane Flooring Primer

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| <b>Description</b> | Durex® Uraflex Primer 100% Solids Urethane Flooring Primer is a two-component, polyurethane-based flooring primer. It is specially formulated to perform where substrate penetration and superior adhesion is required.  |
| <b>Uses</b>        | Durex® Uraflex Primer is used to seal and prime concrete and wood substrates to be top-coated with various coatings systems. Durex® Uraflex Primer is mainly used as a primer for Durex® Uraflex 360 Traffic-Bearing Waterproofing Membrane and other related coatings to assist in the reduction of out-gassing and to achieve ultimate adhesion. Uraflex Primer performs as a protective primer for various flooring and traffic-bearing waterproofing coating applications. Must be top-coated, unless indicated otherwise. |
| <b>Ideal For</b>   | <ul style="list-style-type: none"> <li>• Versatile protective floor primer</li> <li>• Concrete and wood primer for polyurethane, epoxy and acrylic coatings</li> <li>• Primer for traffic-bearing waterproofing coatings, systems and membranes</li> <li>• Metal surfaces</li> <li>• Food processing and pharmaceutical plants</li> </ul>  |
| <b>Features</b>    | <ul style="list-style-type: none"> <li>• Excellent adhesion to a variety of substrates</li> <li>• Good physical properties</li> <li>• Outstanding stability at low temperatures</li> <li>• Zero VOCs, 100% solid urethane</li> <li>• Excellent moisture resistance</li> <li>• High-build capability (up to 400 microns, 16 mils)</li> <li>• Smooth, bubble-free film surface</li> <li>• Superior substrate penetration; seals the surface</li> <li>• CFIA approved</li> </ul>  |

### TECHNICAL DATA

| PHYSICAL PROPERTIES              |  |
|----------------------------------|--|
| Colour                           | Clear  |
| Resin Type                       | Aromatic urethane – Hybrid Polyol                                  |
| Mix Ratio                        | 2.5:1 by volume  |
| Part A (Resin):Part B (Urethane) |  |
| Cure Time @ 5-23°C               | To touch: 12 hours<br>To recoat: 5-24 hours<br>Fully cured: 7 days |
| Coverage                         | 7.8 m <sup>2</sup> /L (320 ft <sup>2</sup> /US gal) @ 5 mils DFT   |
| Recommended Film Thickness       | 5 mils (75 µ)  |
| Pot Life @ 23°C (75°F)           | 35-45 minutes  |
| Reducer/Clean-Up                 | Lacquer thinner or IPA   |
| V.O.C.                           | Zero   |

  

| PERFORMANCE PROPERTIES                 | TEST METHOD                | RESULTS                              |
|--|----------------------------|--------------------------------------|
| Percent Solids                         | ASTM D7232-06              | 100%                                 |
| Viscosity (Brookfield) 23°C (75°F) A+B | ASTM D2196                 | 700-800 cps                          |
| Abrasion Resistance                    | ASTM D5178-91, CS-17 wheel | 35 mg, 1000 g load, 1000 cycles      |
| Tensile Modulus                        | ASTM D638-86               | 2,400 psi                            |
| Elongation                             | ASTM D638-86               | 100%                                 |
| Specific Gravity                       | ASTM D333                  | 1.10 ± 0.05 g/L<br>8.90 ± 0.1 lb/gal |
| Flexural Modulus                       | ASTM D790-86               | 47,000 psi                           |
| Mar Resistance                         | ASTM D5178-91              | 1.0 kg                               |

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| <b>Packaging</b>           | Durex® Uraflex Primer is packaged in 1 gallon (3.78L), 5 gallon (18.9L) and 20 (75.6L) gallon kits. Custom colour matching can also be attained at an additional cost. Please refer to the <i>Durex® Colour Selection Guide</i> for all available colour options.  |
| <b>Storage Conditions</b>  | Store Durex® Uraflex Primer in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials in ambient temperatures above 5 degrees C and below 35 degrees C. <b>KEEP FROM FREEZING.</b>  |
| <b>Surface Preparation</b> | Concrete, wood and metal surfaces must be dry, free of dirt, oils, and any other contaminants that may prevent proper adhesion. Contact Durabond Technical Services for surface preparation methods of surfaces contaminated by oil or other materials.<br><br><b>Concrete:</b> New concrete shall be allowed to cure for a minimum of 28 days and have a compressive strength of concrete of at least 25 MPa (3,625 psi) before coating. Moisture content of the concrete shall be less than 4% by weight prior to application or the substrate must be primed with Durex® Epotel 100 Moisture Block. Contact a Durabond Technical Representative for further assistance. Prepare surfaces by shot-blasting to achieve a surface consistent with ICRI CSP 3-4.<br><br><b>Wood:</b> Wood surfaces must be free of dirt and other contaminants that may prevent proper adhesion. Treat wood joints with polyurethane sealant.<br><br><b>Metal:</b> Metal must be cleaned of all dirt, debris and rust prior to application. |
| <b>Mixing Instructions</b> | Mixing shall be carried out in a clean, rust-free container, and mixed by a power drill at 400-500 rpm maximum. Do not mix Part A and Part B together until ready for application, only mix materials to be used within working time window. Mix three (2.5) parts by volume of Part 'A' resin with one (1) part by volume of Part 'B' urethane. Mix Part A and Part B together slowly, using a low-speed drill for a minimum of 2 minutes, ensuring that both components are thoroughly mixed and there is a consistent colour without any residue remaining on the sides of the pail. Extra care must be taken to avoid introducing air into the mixture.  |
| <b>Application</b>         | Use a good-quality synthetic brush (75-100 mm [3-4 in.] brush length) to paint edges where the floor meets the walls. Then use a lint-free 12.7 mm (1/2 in.) nap roller cover and 230 mm (9 in.) frame to apply an even coat of Durex® Uraflex Primer. Maintain a wet edge to prevent overlap and gloss differences.   |
| <b>Clean-Up</b>            | Wash all tools and equipment immediately with mineral Xylene or solvent-based cleaner. Allow any unused product to harden in container and discard according to local regulations.   |
| <b>Limitations</b>         | Do not apply Durex® Uraflex Primer if ambient and substrate temperature is less than 5 degrees C or above 32 degrees C during application and curing time. Apply topcoat or subsequent coat within 24 hours. Always adhere to published recoating schedules to ensure coating adhesion. Product must be applied in temperatures 3 degrees C above the dew point. Moisture content of the concrete must be less than 4% by weight, if not the surface must be primed with Durex Epotel Moisture Block 100. Do not add solvent to the mixture.   |
| <b>Health and Safety</b>   | Use under well-ventilated conditions with rubber gloves when handling the product. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Extremely harmful if swallowed. Do not induce vomiting. Keep product out of reach of children. Read published Material Safety Data Sheet for additional information.  |
| <b>Warranty</b>            | 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.  |
| <b>Technical Services</b>  | Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . For the latest version of this data sheet, please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd sales representative.   |

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