

# Durex® Dur-A-Comfort Primer

## 100% Solids Urethane Flooring Primer for Comfort Flooring Systems

- Description** Durex® Dur-A-Comfort 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.
- Uses** Durex® Dur-A-Comfort Primer is used to seal and prime concrete and wood substrates to be top-coated with various coatings systems. Durex® Dur-A-Comfort Primer is mainly used as a primer for Durex® Dur-A-Comfort Ergonomic Flooring Systems and other related coatings to assist in the reduction of out-gassing and to achieve ultimate adhesion. Dur-A-Comfort Primer performs as a protective primer for comfort flooring (ergonomic) related applications. Must be top-coated, unless indicated otherwise.
- Ideal For**
- Versatile protective floor primer
  - Concrete and wood primer for polyurethane, epoxy and acrylic coatings
  - Primer for Comfort flooring coatings, systems and membranes
  - Metal surfaces
  - Food processing and pharmaceutical plants
- Features**
- Excellent adhesion to a variety of substrates
  - Good physical properties
  - Outstanding stability at low temperatures
  - Zero VOCs, 100% solid urethane
  - Excellent moisture resistance
  - High-build capability (up to 400 microns, 16 mils)
  - Smooth, bubble-free film surface
  - Superior substrate penetration; seals the surface
  - CFIA approved

### TECHNICAL DATA

#### PHYSICAL PROPERTIES

Colour	Clear - Amber
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 To recoat: 5-24 hours 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

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	45%
Specific Gravity	ASTM D333	1.10 ± 0.05 g/L 8.90 ± 0.1 lb/gal
Flexural Modulus	ASTM D790-86	47,000 psi
Mar Resistance	ASTM D5178-91	1.0 kg

<b>Packaging</b>	Durex® Dur-A-Comfort Primer is packaged in 1 gallon (3.78L) and 5 gallon (18.9L) kits.
<b>Storage Conditions</b>	Store Durex® Dur-A-Comfort 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 10 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.  <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.  <b>Wood:</b> Wood surfaces must be free of dirt and other contaminants that may prevent proper adhesion. Treat wood joints with polyurethane sealant.  <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® Dur-A-Comfort 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® Dur-A-Comfort Primer if ambient and substrate temperature is less than 10 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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