

Durex® Uraflex Citrus Primer

Two-Component Polyurethane-Penetrating Primer

- Description** Durex® Uraflex Citrus Primer is a two-component, modified polyurethane-penetrating primer for surfaces contaminated by oil and similar substances. This product is formulated to perform where concrete has been contaminated with oil-based substances.
- Uses** Durex® Uraflex Citrus Primer penetrates through oil and similar contaminants to bond and seal the substrates, as well as release potential out-gassing and leeching. Durex® Uraflex Citrus Primer has exceptionally unique priming, penetrating, and application properties for problematic oil-soiled concrete substrates.
- Ideal For**
- Penetrating primer for floors contaminated with oil and similar substances
 - Concrete and wood primer for epoxy, acrylics and polyurethane
 - Primer for industrial flooring and traffic-bearing surface covering systems
 - Wood deck coating
 - Damp and oil-contaminated concrete primer
- Features**
- Excellent adhesion to a variety of contaminated substrates
 - Penetrates and aggressively adheres to substrates contaminated by oil and other similar substances
 - Very low surface tension
 - Very low VOCs
 - Excellent moisture resistance
 - May be applied on damp surfaces with no bubbles or foaming
 - Prevents leeching of contaminants up through the substrate
 - Excellent abrasion resistance

TECHNICAL DATA

PHYSICAL PROPERTIES		
Colour	Clear	
Resin Type	Urethane	
Mix Ratio	Part A (Resin):Part B (Urethane) 4:1 by volume (clear primer)	
Cure Time @ 5-23°C	5°C	23°C
	To touch:	12 hours 6 hours
	To recoat:	16 hours 8 hours
	Fully cured:	7 days 4 days
Coverage	4 m ² /L @ 100 microns 200 ft ² /US gal @ 6 mils DFT (9 mils WFT)	
Recommended Film Thickness	5 mils (75 µ)	
Pot Life – working time @ 23°C (75°)	30 minutes	
Reducer/Clean-Up	Lacquer thinner or IPA	
V.O.C.	< 10 g/L	

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	60-65%
Viscosity (Brookfield) 23°C (75°F)	ASTM D2196	100 cps
Abrasion Resistance	ASTM 5178-91, CS-17 wheel	45 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
		8.30 ± 0.1 lb/gal
Mar Resistance	ASTM D5178-91	1.0 kg

Packaging	Durex® Uraflex Citrus Primer is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) kits.
Storage Conditions	Store Durex® Uraflex Citrus 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. KEEP FROM FREEZING.
Surface Preparation	<p>All surfaces to be coated must be cleaned and prepared to the best of their ability. Although Durex® Uraflex Citrus Primer penetrates contaminated substrates, the area must be free of dirt, oils, and any other impurities to the best ability possible. For ultimate surface adhesion, mechanical abrasion is recommended. Adhesion testing is strongly recommended before system application. Maintain temperature in areas to be floored at minimum of 12 degrees C for at least 24 hours prior to application, during application, and until coatings have fully cured. Adequately ventilate areas where flooring is to be applied. Maintain a reasonable dust-free atmosphere for duration of work. Protect adjacent surfaces not scheduled to receive flooring from damage, and erect suitable barriers to prevent traffic and other trades from working areas during installation of flooring.</p> <p>Painted Surfaces: Previously painted surfaces should be properly and tightly bonded to substrate below. Otherwise, it must be removed either mechanically or chemically using effective paint stripper. Hard and glossy surfaces must be abraded to improve adhesion.</p>
Mixing Instructions	Mix Part 'A' (resin) and Part 'B' (hardener) for at least one (1) minute, if power mixer is used. Once mixed, Durex® Uraflex Citrus Primer must be applied to the floor using a roller, brush or sprayer. Do not allow the product to pond or build in thickness, especially on pitted and porous floors. Maximum recommended film thickness is 5 mils. Avoid pouring the product onto the floor, unless it can be spread to the suggested rate. DO NOT MIX PART 'A' WITH PART 'B' UNTIL READY TO BEGIN APPLICATION. Mixing ratio, Part 'A' to Part 'B' is 4:1, by volume or as supplied per kit.
Application	<p>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 Citrus Primer. Maintain a wet edge to prevent overlap. Durex® Uraflex Citrus Primer may also be spray-applied using plural-component spray equipment. Use a moderate-to-long mixing manifold at the unit allowing for use of a long whip hose and conventional spray gun. Durex® Uraflex Citrus Primer must be kept at a minimum of 12 degrees C prior to application. Gel Time: 30 minutes; Working Time: 45-60 minutes.</p> <p>After application, it is recommended for the area to be increased in temperature to 23 degrees C or higher, if possible, to speed up curing. This product must be installed at a wet film thickness of not more than 5 mils. Do not allow the material to pond. Ponding will lengthen the curing time of Durex® Uraflex Citrus Primer. Ensure that the primer is completely cured for a minimum of 12 hours prior to application of any other materials.</p>
Clean-Up	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.
Limitations	Do not use Durex® Uraflex Citrus Primer if temperature is less than 4 degrees C.
Health and Safety	Take suitable fire precautions. Use under well-ventilated conditions with appropriate respirator approved for organic vapours and 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. Harmful if swallowed. Do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children. Read published Material Safety Data Sheet for additional information.
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 Technical Coatings Ltd sales representative.

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