Durex® Uraflex 375 UV

Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat

Description

Durex® Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat is a liquid-applied, two-component, 100% solids elastomeric polyurethane topcoat. It is specifically formulated to adhere to Durex® Uraflex 360 Elastomeric Polyurethane Waterproofing Membrane and Durex® Uraflex 361 Elastomeric Polyurethane Traffic-Bearing Topcoat to form a highly effective, UV-stable, abrasion-resistant, elastomeric traffic-bearing waterproofing system.

Uses

Durex® Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat is engineered to provide a tough, durable, resilient topcoat for outdoor traffic-bearing surfaces subjected to UV exposure. It can be re-coated for additional wear resistance and used with aggregates for non-slip performance.

Ideal For

- Exposed parking decks and vehicular ramps
- Plaza decks, pool and outdoor recreational decks
- Open stadiums and sporting arenas
- Exposed balcony terraces, pedestrian bridges and walkways
- Petrochemical refineries
- Areas exposed to UV rays

Features

- 100% solids, zero VOC
- Potential LEED credits, high recycled content
- Excellent UV resistance, featuring non-yellow aliphatic urethane resin technology
- High abrasion resistance, resilient elastomeric coating
- Outstanding water impermeability & sealing properties
- Excellent water immersion properties
- Self-cleaning, fast curing; easy to apply and maintain

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Please see *Durex® Colour Selection Guide* for available colour options.
Resin Type	Aliphatic Polyurethane
Mix Ratio	Mix Kit as Supplied: Part A (Resin) : Part B (Catalyst)
Cure Time @ 23°C	To touch: 5 hours To recoat: 6-8 hours To Traffic: 24 hours
Pot Life @ 23°C	20 minutes
Coverage	106 ft^2/gal @ 15 mils DFT
Recommended Film Thickness	10-15 mils DFT
Recycled Content	53%

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	100%
V.O.C.	ASTM D3960	0 g/L
Specific Gravity	ASTM D333	1.25 ± 0.05 g/L
Viscosity	ASTM D2196	1500 cps
Abrasion Resistance	ASTM D5178-91, CS-17 wheel	11 mg loss, 1000 g load, 1000 cycles
Tensile Strength	ASTM D412	2,075 psi
Tear Strength	ASTM D624	171 lb-lin.inch (30 KN/ lin. meter)
Elongation	ASTM D412	200%
Flexural Modulus	ASTM D522	2 mm film passes 12 mm mandrel
Low Temperature Flexibility	1/8" Mandrel @ -26°C	Pass
Water Absorption	ASTM D570	< 0.5%
Water Vapour Transmission	ASTM E96	0.29 metric perm
Shore Hardness		95
Chemical Resistance	ASTM D543	30% NaOH = 0.40% 10% H_2SO_4 = 0.45% 30% NaCl = 0.20% Diesel Fuel = 5.0%

Packaging

Durex® Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) kits, as well as bulk kits. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the *Durex® Colour Selection Guide* for all available colour options.

Storage Conditions

Store Durex® Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. **KEEP FROM FREEZING**.

Surface Preparation

Application temperature to be above 10 degrees C for at least 24 hours before application, during, and after coatings have fully cured. Maintain a dust-free environment for duration of work. Erect suitable barriers to prevent through traffic or other trades from entering working area during installation of coating and to protect adjacent surfaces from damage. Inter-coat adhesion time of 8-24 hours for Durex® Uraflex 360 and/or Durex® Uraflex 361 must be closely monitored prior to application of Durex® Uraflex 375 UV. Consult Durabond Technical Representative for instructions if coating outside the application window.

Mixing Instructions

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 full kit provided of Part A resin with Part B urethane or as per mix ratio indicated. 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.

Application

Apply Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat at a uniform thickness of 10-15 mils DFT using a notched squeegee over Durex® Uraflex 360 Elastomeric Polyurethane Waterproofing Membrane or Durex® Uraflex 361 Elastomeric Polyurethane Traffic-Bearing Topcoat. Use wet film thickness gauge to measure and monitor material thickness.

Anti-Slip Surfaces: Broadcast a #20-30 mesh silica sand or aluminum oxide aggregate evenly over the surface at a rate of approximately 2-5 lb per 100 sq. within 5-10 minutes of application. Allow the sand/coating matrix to settle, self-level and encapsulate the aggregate into the coating, immediately followed by back-rolling the aggregate for a smooth, consistent finish.

Heavy Duty Traffic Areas: Apply an additional coat of Durex® Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat for high traffic areas. Apply coatings between 8-16 hours of each application. Coatings cured longer than 16 hours must be mechanically abraded and primed prior to additional applications. Contact Durabond Technical Services for information when specifying heavy-duty traffic applications.

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 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat if temperature is less than 5 degrees C. Always adhere to recommended recoating schedules to ensure adhesion of the coating. Do not thin with solvents. Apply when environmental conditions are at a minimum of 10°C with less than 65% humidity for at least 24 hours prior to and after application.

Health and Safety

Use 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 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.