Durex® Uraflex 361

Elastomeric Polyurethane Traffic Bearing Topcoat

Description

Durex® Uraflex 361 Elastomeric Polyurethane Traffic Bearing Topcoat is a two-component, solvent-free, high solids elastomeric polyurethane topcoat specially formulated for traffic bearing surfaces. It is designed to adhere to Durex® Uraflex 360 Elastomeric Polyurethane Waterproofing Membrane and other similar membranes to form a highly effective traffic bearing waterproofing system.

Uses

Durex® Uraflex 361 Elastomeric Polyurethane Traffic Bearing Topcoat is used as a resilient topcoat for traffic bearing waterproofing systems. It can be recoated for additional wear resistance. Anti-slip performance is achieved by broadcasting silica sand or aluminum oxide grit into the coating.

Ideal For

- Parking Decks
- Balcony terraces and pedestrian walkways
- Mechanical rooms
- Plaza, pool and recreational decks, and vehicular ramps
- Stadiums
- Non-potable water retention tanks, cooling towers and secondary containment

Features

- Resilient coating with high abrasion resistance
- Outstanding water impermeability sealing properties
- Very low odour and zero VOCs
- Potential LEED credits
- Excellent water immersion properties
- Self-cleaning, fast curing, and easy to apply and to maintain
- Superior abrasion and scratch resistance; high tensile strength

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Please see *Durex® Colour Selection Guide* for available colour options.
Resin Type	Polyurethane
Mix Ratio	Part A (resin):Part B (urethane) 3:1 by volume
Cure Time @ 23°C	To touch: 4 hours To recoat: 6-8 hours Vehicular Traffic: 24 hours
Pot Life @ 23°C	25 minutes
Coverage	64 ft^2/gal @ 25 mils DFT
Recommended Film Thickness	18-25 mils DFT
Recycled Content	60%

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 (Mixed)	ASTM D2196	1500 cps
Abrasion Resistance	ASTM D5178-91, CS-17 wheel	24 mg loss, 1000 g load, 1000 cycles
Tensile Strength	ASTM D412	3000 psi
Elongation	ASTM D412	60%
Water Absorption	ASTM D570	< 0.5%
Water Vapour Transmission	ASTM E96	0.29 metric perm
Shore Hardness A/D	ASTM D2240	95/70
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 361 Elastomeric Polyurethane Traffic-Bearing Topcoat is packaged in 75.6 L (20 gal), 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 361 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 Preparatior

Maintain temperature in work areas to receive floor coating at a minimum of 10 degrees C for at least 24 hours before application, during application, and until coatings have fully cured. Substrate must be at least 10 degrees C and 3 degrees C above dew point prior to application. Maintain a dust-free environment for duration of work. Substrate must be free of dirt, dust and debris that are considered to be deleterious to adhesion. Erect suitable barriers to prevent through traffic or other trades from entering working area during installation of floor coating and to protect adjacent surfaces from damage. Allow 8 hours for Durex® Uraflex 360 Elastomeric Polyurethane Waterproofing Membrane to dry, immediately followed by the application of Durex® Uraflex 361 Elastomeric Polyurethane Traffic-Bearing Topcoat to allow the two materials to react. Durex® Uraflex 360 Elastomeric Polyurethane Waterproofing Membrane to be coated with 24 hours of application. If not, the surface must be sanded and solvent wiped. Consult Durabond; as well as for applications to other substrates.

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 the kit as provided in full (3 parts by volume of Part 'A' resin with 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 5 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 Durex® Uraflex 361 Elastomeric Polyurethane Traffic-Bearing Topcoat at a uniform thickness of 15-25 wet mils using a notched squeegee over cured Durex® Uraflex 360 (or as specified). Refer to Durex® Uraflex Traffic-Bearing Waterproofing System data sheet for system installation instructions. Use wet film thickness gauge to measure and monitor material thickness.

Anti-Slip Surfaces: Broadcast a #24 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.

Extreme Traffic Areas: Apply an additional coat of Durex® Uraflex 361 for additional wear resistance or topcoat with Durex® Uraflex 362 for extreme 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 361 Elastomeric Polyurethane Traffic-Bearing Topcoat if substrate & ambient temperature is less than 10 degrees C or above 35 degrees C. Substrate must be 3 degrees C above dewpoint. Maximum relative humidity must be less than 85%. Topcoat with Durex® Uraflex 375 UV Non-Yellowing Elastomeric Polyurethane Traffic-Bearing Topcoat for exterior or UV-exposed applications. Always adhere to published recoating schedules to ensure coating adhesion.

Health and Safety

Full eye and skin protection are required when using this product. Harmful if swallowed. Keep product out of reach of children. Read published Safety Data Sheet prior to storage, handling and use.

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.