

Durex® Heavy-Duty Garbage Room

Heavy-Duty Garbage Room Waterproofing Floor Coating System

Description	Durex® Heavy-Duty Garbage Room Waterproofing System is a very high-performance waterproofing system designed for suspended-slab high-traffic garbage rooms in most commercial, residential and institutional complexes. The system consists of an elastomeric membrane base coat, Durex® Uraflex 360 Elastomeric Polyurethane Waterproofing Membrane, Durex® Duracrete Troweled Mortar Epoxy System and a durable, chemically resistant topcoat, Durex® Uraflex 100.
Uses	Durex® Heavy-Duty Garbage Room Waterproofing System is intended for use on suspended-slab garbage rooms that receive heavy traffic and abnormal rates of wear. The system is used as a protective waterproofing system for light-to-medium use commercial, institutional and high-rise residential garbage rooms.
Ideal For	<ul style="list-style-type: none"> . Very heavily used garbage room areas . Extra heavy-duty service rooms . Heavily used equipment rooms
Features	<ul style="list-style-type: none"> . Outstanding abrasion-resistant and elastomeric properties . Waterproofing membrane . Potential LEED Credits . Very low odour, minimal disturbance to tenants . Durable and long lasting . Easy to clean . Very thick build troweled epoxy coating system . Protects from hairline cracks . Protects from wear from heavy bins and wheels

TECHNICAL DATA

PHYSICAL PROPERTIES			
Colours	Please see <i>Durex® Colour Selection Guide</i> for available colour options.		
Coverage	Membrane	Uraflex 360	1.2 m ² /L (50 ft ² /gal) @ 32 mils
	Trowel Mortar	Epotel TL	1 mixed gallon (3.78L)
	<i>(Durex® Epotel TL + Durex® TL Aggregate)</i>	TL Aggregate	30 kg (66 lbs) aggregate
	Grout Coat	Epotel GSC	1.5-2 m ² /L (80-120 ft ² /gal) @ 15-20 mils WFT Mixing Ratio: 2:1 by volume
	Topcoat	Uraflex 100	2-3 m ² /L (120-160 ft ² /gal) @ 10-15 mils WFT Mixing Ratio: 3:1 by volume
Service Temperature Range	Min. 0°C/Max. 50°C/Quick Term 95°C		

PERFORMANCE CHARACTERISTICS	TEST METHOD	RESULTS
Compressive Strength @ 7 days	ASTM C579	12,000 psi
Tensile Strength	ASTM C307	1,100 psi
Flexural Strength	ASTM C580	4,250 psi
Bond Strength	ACI 503R	350 psi concrete fails
Thermal Coefficient of Expansion	ASTM D696	0.00635 mm/inch per 0°C (0.000025 in.)
Abrasion Resistance CS-17 wheel, 1 kg. load, 1000 rev.	ASTM D4060	35-45 mg maximum weight loss
Thermal Shock Resistance	ASTM C884	Passes
Water Absorption	ASTM C413	0.1%
Flammability	ASTM D635	Self-extinguishing
Impact Resistance	MIL D-3134F	16 foot-pounds concrete fractures
Indentation	MIL D-3134F	No indentation

Packaging Durex® Heavy-Duty Garbage Room Waterproofing System is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) kits, 22.7kg bags 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® Heavy-Duty Garbage Room Waterproofing System in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. **KEEP FROM FREEZING.**

Surface Preparation All surfaces such as concrete, wood and metal to be coated must be free of dirt, oils, and any other contaminants that may prevent proper adhesion of Durex® Heavy-Duty Garbage Room Waterproofing System. Pre-treat cracks up to 1/16 in. with Durex® Uraflex 360 Waterproofing Membrane or with an approved polyurethane sealant. For larger cracks, please refer to application instructions, specifications or consult with a Durabond Technical Representative. Prior to application of Durex® Uraflex 360 Waterproofing Membrane, concrete must be fully cured (28 days) or as deemed acceptable by a Durabond Technical Representative. Surface must be dry prior to application. Patch work and miscellaneous repairs are to be corrected with Durex® Dur-A-Patch 100 or approved alternative. Durex® Reinforcing Fibreglass Mesh is to be used over high movement areas.

Application **WATERPROOFING MEMBRANE:** Durex® Uraflex 360 Waterproofing Membrane is to be applied at a thickness of 30 wet mils to form an effective waterproofing membrane. Apply with a 13 mm lint-free roller or squeegee. The use of a wet-mil film thickness gauge is required to verify applied material thickness. Typically, an overnight cure (12 hours) is sufficient time prior to application of the topcoat. Allow more time for dry and cool environmental conditions. Warm, humid environments will cure more rapidly. Ensure that the product is slightly tacky to the touch prior to installation of the topcoat. Lightly broadcast silica sand overtop of the membrane to facilitate the next step

TROWELED AGGREGATE: Epoxy Mortar step is to be applied overtop of the cured Durex® Uraflex 360 within 24 hours after application. Premix Durex® Epotel TL components, blending parts A and B with a low-speed drill for two minutes. Fill mortar mixer or KOL-type mixer with Durex® Epotel TL liquids and add Durex® TL Aggregate at a ratio of 100 lb. of aggregate per 1.5 gallons of mixed Durex® Epotel TL (30kg : 3.78L by volume). Mix for an additional one to two minutes until all materials are thoroughly wetted. Screed to level, and finish by hand or power trowel. Allow to cure. If using seal coats, grind out ridges or trowel marks as necessary and vacuum debris completely.

GROUT COAT: Premix Epotel GSC components, then blend coating components A and B for two minutes. Pour onto floor, distribute with a notched squeegee, and lightly back-roll with a lint-free roller to smooth out roller marks, applying the materials at 10-15 mils WFT.

TOPCOAT: Durex® Uraflex 100 is to be applied twice at a thickness of 10 mils per using a 13 mm phenolic core roller or squeegee. Non-slip aggregate may be applied. It is to be broadcasted over the wet surface evenly at a rate of approximately 5 lbs of aggregate per gallon (0.5 kg per litre) if required. Back-roll the coating for a smooth, consistent finish while ensuring to encapsulate the aggregate. **Note:** Silica sand #32 is recommended as a non-slip aggregate.

Allow a minimum of 48 hours prior to light foot traffic (5-35°C). Extended drying times must be accounted for in dry and/or cool environmental conditions. Please contact Durabond Technical Services for further assistance and recommendations of curing accelerators.

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.

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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