

Durex® Dur-A-Fast Sealcoat

Polyurethane Methyl Methacrylate based Traffic Bearing Waterproofing Topcoat

- Description** Durex® Dur-A-Fast Sealcoat is a polyurethane modified methyl methacrylate pigmented topcoat to be used in conjunction with Durex® Dur-A-Fast Traffic Bearing Waterproofing Systems. Durex® Dur-A-Fast Waterproofing Systems are a series of rapid return to service, high performance, UV resistant decorative and functional traffic bearing waterproofing systems. Durex® Dur-A-Fast Sealcoat is a rapid curing, abrasion resistant, UV resistant coating that protects the surface and creates a tough, impermeable layer to protect the membrane, substrate or previous layers. It is designed to be ready for light traffic within 45 minutes of application.
- Uses** Durex® Dur-A-Fast Sealcoat is used as a top coat for all Durex® Dur-A-Fast Traffic Bearing Waterproofing Systems to seal and protect. Durex® Dur-A-Fast Sealcoat can be used in virtually all seasons, as it can be applied down to -20°C.
- Ideal For**
- Balcony terraces and pedestrian walkways
 - Parking Decks
 - Mechanical rooms
 - Plaza, pool and recreational decks, and vehicular ramps
 - Stadiums
 - Non-potable water retention tanks, cooling towers and secondary containment
- Features**
- Polyurethane modified Methyl Methacrylate based technology
 - Extremely rapid curing, ready for light traffic within 45 minutes (depending on temperature).
 - Cold curing capability, cures down to -20°C
 - Outstanding water impermeability sealing properties
 - Excellent water immersion properties
 - High chemical resistance to acids, alkalis, salts, seawater, sewage and other compounds
 - Fast curing properties
 - Abrasion resistant, tough product
 - UV Resistant

TECHNICAL DATA

PHYSICAL PROPERTIES		
Colour	Pigmented	
Resin Type	PUMA	
Mix Ratio	Part A (resin): Part B (Catalyst)	
Cure Time @ 23°C	To touch: 30 minutes To recoat: 45 minutes Traffic: 2 hours	
Pot Life @ 23°C	10 minutes	
Coverage	2.0 m ² /L (80 ft ² /gal) @ 20 mils	*varies on system*

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	100%
V.O.C. & Absorption	ASTM D 3960	0 g/L
Specific Gravity	ASTM D 333	1.19 ± 0.05 g/L
Mixed Viscosity	ASTM D2196	1000 cps
Abrasion Resistance	ASTM 5178-91, CS-17 wheel	75 mg, 1000 g load, 1000 cycles
Tensile Strength	ASTM D 638-86	1,670 psi
Tear Strength	ASTM D624 Die C	83 lb/in.in (14.5 KN/in. m)
Elongation	ASTM D 638-86	10%
Water Absorption	ASTM D 570	0.25%
Shore D Hardness	ASTM D 2240	90
Pull-Off Strength of Coatings	ASTM D 4541	3.35 MPa (480 psi) over concrete surface
Water Vapour Transmission	ASTM E 96 – Procedure B	0.05 grain/hr-pi ² 0.029 g/hr-m ²
Water Vapour Permeability	ASTM E 96	0.20 Perm In. 0.0025 ng/Pa-s-m ²
Water Vapour Permeance	ASTM E 96	4.70 x 10 ⁻⁵ perm 0.028 ng/ Pa-s-m ²

Packaging Durex® Dur-A-Fast Sealcoat is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) kits, as well as bulk containers. Available in standard colours, please refer to Durabond Protective Coatings Colour Chart. Custom colour matching can also be attained at an additional cost.

Storage Conditions Store Durex® Dur-A-Fast Sealcoat in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store between 5°C and 25°C. **KEEP FROM FREEZING.**

Surface Preparation All surfaces must be dry, free of dirt, oils, and any other contaminants that may prevent proper adhesion. Durex® Dur-A-Fast Sealcoat is designed to be installed as part of the Durex® Dur-A-Fast Traffic Bearing Waterproofing System line. Inter-coat adhesion times are to be followed at all times. Contact Durabond Technical Services for applications beyond inter-coat window, surface preparation methods for contaminated surfaces and all applications not available within Durex® Dur-A-Fast Systems' specifications.

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 as provided of Part 'A' resin with Part 'B' Dur-A-Fast Initiator. The Part 'B' Initiator must be mixed depending on substrate and ambient temperature. Please refer to the "Dur-A-Fast Initiator Consumption Chart" below. Mix Part A and Part B Initiator 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 mixture.

Durex® Dur-A-Fast Initiator Mixing Chart

Temperature C	Initiator %	g/ 3.78L (1 Gallon)	g/18.9L (5 gallons)	Cold Cure Accelerator	g/ 3.78L (1 Gal)	g/18.9L (5 Gal)
30 to 35C	0.50%	16	80	N/A	N/A	N/A
25 to 30C	1%	32	160	N/A	N/A	N/A
20 to 25C	1.5%	48	239	N/A	N/A	N/A
15 to 20C	2%	64	319	N/A	N/A	N/A
10 to 15C	3%	96	479	N/A	N/A	N/A
5 to 10C	4%	128	638	N/A	N/A	N/A
0 to 5C	5%	160	798	N/A	N/A	N/A
0 to -5C	5%	160	798	0.50%	16	80
-5 to -10C	5%	160	798	1%	32	160
-10 TO -20C	5%	160	798	2%	64	319

Application Apply Durex® Dur-A-Fast Sealcoat with a notched squeegee at a uniform thickness of 20 mils DFT (or as specified) to form an effective topcoat. Measure wet film mil thickness with a thickness gauge. Allow Durex® Dur-A-Fast Sealcoat to cure for at least 30 minutes prior to application of topcoat. Substrate temperature must be at least 3 degrees Celsius above dew point prior to application. Warm, humid environments will cure more rapidly. Ensure that the product is slightly tacky to the touch prior to installation of the topcoat. Consult with Durabond Technical Services for further information.

Limitations Do not apply Durex® Dur-A-Fast Sealcoat if ambient and substrate temperature is less than minus 20 degrees C or above 32 degrees C during application and curing time. Surfaces must be clean and free of any materials/substances that may impede adhesion (including ice). Broadcast anti-slip aggregate as required. Always adhere to published recoating schedules to ensure coating adhesion. Product must be applied in temperatures 3 degrees C above the dew point. Do not add solvent to the mixture.

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 Read published Safety Data Sheet prior to use and handling. Use under well ventilated conditions with appropriate protective clothing and eyewear when handling the product. Avoid contact with eyes and contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Harmful if swallowed. 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.

DURabond

Technical Coatings Ltd

HEAD OFFICE
55 Underwriters Road
Scarborough, ON M1R 3B4
T 416.759.4474 F 416.759.4470

MISSISSAUGA
6178 Netherhart Road
Mississauga, ON L5T 1B7
T 905.565.9283 F 905.565.9365

EDMONTON
14345 120th Avenue
Edmonton, AB T5L 2R8
T 780.451.6364 F 780.453.9056

INFO@DURABOND.COM

WWW.DURABOND.COM

1.877.DURABOND (387.2266)

V2.01