

Durex® Dur-A-Fast Sealcoat Clear

Polyurethane Methyl Methacrylate based Clear Topcoat

- Description** Durex® Dur-A-Fast Sealcoat Clear is a polyurethane modified methyl methacrylate clear topcoat to be used in conjunction with Durex® Dur-A-Fast Decorative Systems. Durex® Dur-A-Fast Decorative Systems are a series of rapid return to service, high performance, UV resistant decorative traffic bearing systems. Durex® Dur-A-Fast Sealcoat Clear is a rapid curing, abrasion resistant, UV resistant coating that protects decorative multi-coloured surfaces. It seals the surface to create a tough, impermeable clear coating to protect previous decorative layers. It is designed to be ready for light traffic within 45 minutes of application.
- Uses** Durex® Dur-A-Fast Sealcoat Clear is used as a clear top coat for Durex® Dur-A-Fast Decorative Systems. It can also be used as a standalone clear, UV resistant coating overtop of previously coated surfaces. Durex® Dur-A-Fast Sealcoat can be applied down to 0°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 0°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
 - Clear

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Pigmented
Resin Type	Polyurethane
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	2.6 m ² /L (106 ft ² /gal) @ 15 mils <i>*varies on system*</i>

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	1,680 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 Clear is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) kits, as well as bulk containers.

Storage Conditions Store Durex® Dur-A-Fast Sealcoat Clear 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 Clear is designed to be installed as part of the Durex® Dur-A-Fast Decorative 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 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)
35	0.50%	16	80	N/A	N/A	N/A
30	1%	32	160	N/A	N/A	N/A
20	2%	64	320	N/A	N/A	N/A
15	3%	96	480	N/A	N/A	N/A
10	4%	128	640	N/A	N/A	N/A

Application Apply Durex® Dur-A-Fast Sealcoat Clear with a notched squeegee at a uniform thickness of 15 mils DFT (or as specified) to form an effective topcoat. Measure wet film mil thickness with a thickness gauge. Allow previous coats of Durex® Dur-A-Fast 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. Do not install below 10 degrees Celsius.

Limitations Do not apply Durex® Dur-A-Fast Sealcoat Clear if ambient and substrate temperature is less than 10 degrees C or above 32 degrees C during application and curing time. Topcoat over Durex® Dur-A-Fast Wearcoat, Sealcoat or Dur-A-Fast Gemstone PMMA within 2 hours (depending on system). 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.