

Durex® Dur-A-Fast Primer

Polyurethane Modified Methyl Methacrylate Primer

Description	Durex® Dur-A-Fast Primer is a polyurethane modified methyl methacrylate primer to be used in conjunction with all Durex® Dur-A-Fast systems. Durex® Dur-A-Fast systems are a series of rapid return to service, high performance, UV resistant flooring systems. Durex® Dur-A-Fast Primer is a rapid curing, penetrating primer which helps seal the surface and create a positive, lasting bond to the substrate. It is designed to be ready to top coat within 45 minutes of application.
Uses	Durex® Dur-A-Fast Primer is used as a primary priming coat for all Durex® Dur-A-Fast systems and products. It is used to seal the substrate, create a positive bond to the substrate and to reduce the occurrence of defects on any subsequent coats. Durex® Dur-A-Fast primer can be used on properly prepared concrete, masonry, wood, metal and other common construction substrates. Durex® Dur-A-Fast can be used in virtually all seasons, as it can be applied down to -20°C.
Ideal For	<ul style="list-style-type: none"> • Primer for all Durex® Dur-A-Fast Systems • Decorative Flooring Systems • Traffic Bearing Waterproofing System • Industrial Systems • Waterproofing Systems
Features	<ul style="list-style-type: none"> • Polyurethane modified Methyl Methacrylate based technology • Extremely rapid curing, ready for topcoat within 45 minutes (depending on temperature). • Cold curing capability, cures down to -20°C • Highly penetrating formula • Prevents off-gassing of subsequent coatings • Resistant to organic and inorganic chemical compounds and bacterial growth

TECHNICAL DATA

PHYSICAL PROPERTIES	
Colour	Clear
Resin Type	Polyurethane modified Methyl Methacrylate
Coverage	3.68 m ² /L (150 ft ² /gal) @ 10 mils
Mix Ratio	Part A (Resin): Part B (Catalyst)
Cure Time @ 23°C (75°F)	Fully cured: 60 minutes
Pot Life-working time @ 23°C (75°F)	10 minutes
Reducer/Clean-up	Xylene
V.O.C	0 g/L

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	100%
Viscosity (Brookfield) 23°C (75°F)	ASTM D 2196	430 cps (clear)
Specific Gravity	ASTM D 333	1.06 (Clear)
Compressive Strength	ASTM 695-85	6,397 psi
Tensile Strength	ASTM 695-85	1,280 psi
Bond Strength	ASTM C1583	625 PSI (4.3 MPa) <i>Failure at Concrete</i>
Elongation	ASTM D 638-86	0.8%
Elastic Modulus	DIN ENISO 527	(2100 MPa)
Abrasion Resistance	ASTM D 4060-90	0.033
Mar Resistant	ASTM D 5178-91	1.0 kg
Shore D Hardness		85

Packaging Durex® Dur-A-Fast Primer is packaged as a kit (Part A & B) in 18.9 L (5 gal) and 3.78 L (1 gal) units. This product is available in clear.

Storage Conditions Store Durex® Dur-A-Fast Primer in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials in ambient temperatures above 10 degrees C and below 35 degrees C. **KEEP FROM FREEZING.**

Surface Preparation Surfaces to be primed shall be clean and free of dirt, debris, contaminants or other materials deleterious to adhesion. Concrete must be prepared to ICRI CSP 3, by means of shot blasting or grinding. New concrete and masonry mortar shall be allowed to cure for a minimum of 28 days and contain less than 4% moisture. Clean surfaces with a wire brush and/or power washer to remove dirt, loose materials and debris. Allow surfaces to thoroughly dry prior to application.

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%	18	90	N/A	N/A	N/A
25 to 30C	1%	36	180	N/A	N/A	N/A
20 to 25C	1.5%	54	270	N/A	N/A	N/A
15 to 20C	2%	72	360	N/A	N/A	N/A
10 to 15C	3%	108	540	N/A	N/A	N/A
5 to 10C	4%	144	720	N/A	N/A	N/A
0 to 5C	5%	180	900	N/A	N/A	N/A
0 to -5C	5%	180	900	0.50%	18	90
-5 to -10C	5%	180	900	1%	36	180
-10 TO -20C	5%	180	900	2%	72	360

Application THOROUGHLY MIX PRIOR TO USE. DO NOT DILUTE WITH WATER OR OTHER ADDITIVES. Apply materials at ambient temperatures above -20 degrees Celsius. Apply by squeegee or roller to a thickness of 5 mils or as required depending on substrate condition. Back roll to ensure complete coverage.

Clean-up Wash tools and equipment immediately after use.

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.

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