

Durex® Acrotel Sport Court Topcoat

Resilient Topcoat for Acrotel Sports Court System

Description	Durex® Acrotel Sport Court Topcoat is single components, waterborne, 100% acrylic high build durable coating for hard sport courts, recreational areas and playgrounds.
Uses	Durex® Acrotel Sport Court Topcoat is a high performance, durable coating specifically designed forms a durable layer for a long-lasting performance. It will bridge hairline cracks and move with substrate throughout a wide range of temperatures.
Ideal For	<ul style="list-style-type: none"> • Hard sport courts • Recreational areas • Playgrounds • Climates with a service temperature range of -35°C to 80°C
Features	<ul style="list-style-type: none"> • Low odour and VOCs • Low Tg, long-lasting crack bridging in low and high temperatures • Waterborne, simple and safe to handle and clean • Excellent resistance to ultraviolet radiation; outstanding exterior durability, chalk resistance and tint retention • Excellent dirt pick-up resistance maintains attractive appearance • Abrasion resistant and resilient • Mildew resistant • Outstanding water bonding properties with no water penetration • Non-slip • Non-flammable

TECHNICAL DATA

PHYSICAL PROPERTIES		
Colour	Clear and pigmentable	
Resin Type	100% Acrylic	
Coverage	200 ft ² /gal @ 10 mils WFT (5 mils DFT)	
Drying Time @ 23°C (75°F), 55% RH	To touch/recoat: 1 hour Full cure: 7 days	
Min. Film Forming Temperature	5°C	
pH Level	8.0 – 9.0	
Reducer/Clean Up	Water	
PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D 7232-06	45-50% (vol.)/50-55% (wt.)
Viscosity (Brookfield) 23°C (75°F)	ASTM D 2196	500-3000 cps
Water Vapour Transmission	ASTM D 6763-08	8.0 lb/in.
Elongation	ASTM D 2370	125% @ -18°C (0°F) 350% @ 0°C (32°F) 700% @ 24°C (75°F)
Tensile Strength	ASTM D 2370	140 psi @ 24°C/75°F
Flexibility (Mandrel Bend)	ASTM D 522	1/2" Mandrel @ -34°C (-30°F) 1/8" Mandrel @ -26°C (-15°F)
VOC	ASTM D 3960	50 g/L (0.70 lb/gal)
Abrasion Resistance	ASTM D 4060-01	1000 g load 1700 cycles C-S wheel: 30 mg loss
Specific Gravity	ASTM D 333	1.20 ± 0.10 g/L 10.50 ± 0.30 lb/gal

Packaging	Durex® Acrotel Sport Court Topcoat is packaged in 18.9 L (5 gal) and 3.78 L (1 gal) units. Colours can be selected from a pre-matched colour fan deck or custom colour matching can be performed to specific substrates or colour chips
Storage Conditions	Store Durex® Acrotel Sport Court Topcoat in a dry, vented, waterproof location, off the ground, out of direct sunlight and other detrimental conditions. Keep from freezing.
Surface Preparation	Clean surfaces with a wire brush and/or power washer to remove dirt, loose materials and debris, and/or other materials deleterious to adhesion. Allow surfaces to thoroughly dry prior to applications. Fill cracks and holes, and retool mortar joints to provide a smooth uniform surface. Clean and remove paint back to the original surface. New concrete and masonry mortar should be allowed to cure for a minimum of 30 days.
Application	Prepare a test patch to verify the effectiveness of the cleaning process, and to check product adhesion to the surface. Do not proceed with applications prior to, during, or after inclement weather conditions, or if adverse weather is anticipated within 24 hours after application. Use a good quality synthetic brush, roller or airless sprayer to apply an even coat of Durex® Acrotel Sport Court Topcoat. Maintain a wet edge to prevent overlap marks and gloss differences. Durex® Acrotel Sport Court Topcoat is designed as a one-coat system and is sufficient to cover the entire surface.
Clean Up	Wash all tools and equipment immediately with warm water and mild detergent. Allow any unused product to harden in container and discard according to local regulations.
Limitations	Durex® Acrotel Sport Court Topcoat should be applied at a temperature above 5 degrees C and less than 55% relative humidity for proper curing.
Health and Safety	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 glass 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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V2.01