

# Durex Lumino Coatings

## Hydrophobic, Aging Resistant, Self-Cleaning Coating Technology

<b>Description</b>	Durex® Lumino Coatings are based on hydrophobic technology which produces highly flexible, self-cleaning, UV resistant and long lasting finishes. Hydrophobic nanoparticles are incorporated into the body of the coating producing a hydrophobic surface which reduces soiling, dirt-pick-up, mold/ mildew growth and chalking while considerably improving colour retention.
<b>Uses</b>	Durex® Lumino Coatings provide excellent protection against soiling due to increased atmospheric pollution and continuous exposure to high traffic areas. Durex® Lumino hydrophobic technology is available in any of the Durex® Architectural Coatings which are part of any Durex® EIF System, Direct Applied Stucco System or any of the Durex® Protective Wall Coatings. Highly recommended for lighter colours where signs of soiling and dirt pick-up are particularly evident.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Hydrophobic</li> <li>• Self Cleaning</li> <li>• Resistant to UV Exposure</li> <li>• Resistant to soiling and chalkiness</li> <li>• Enhanced crack resistance</li> <li>• Reduction in maintenance costs</li> <li>• Vapour Permeable</li> <li>• Provides outstanding colour retention</li> <li>• Available with any of our Durex® Architectural Coatings</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES		
<b>Product Type</b>	Acrylic-based hydrophobic coating	
<b>Appearance</b>	Heavy-bodied, paste consistency	
<b>Viscosity</b>	Varies on finish	
<b>Coverage</b>	Varies on finish	
<b>pH Level</b>	9.0 – 9.5	
<b>Min. Film Forming Temperature</b>	5°C	
<b>Toxicity</b>	Non-toxic	
<b>Shelf Life</b>	3 years	
PERFORMANCE PROPERTIES		
TEST	METHOD	RESULTS
<b>Film Thickness</b>	Depending on texture	
<b>Water Vapour Permeability</b>	ASTM E96	755 ng/Pa·s·m <sup>2</sup> @ 25°C
<b>Flexibility</b>	ASTM D522	180° over 1/2 in. rod @ -20°C
<b>Adhesion</b>	ASTM D4541	185 psi axial load: Pass
<b>Tensile Strength</b>	ASTM D412	400 psi @ 25°C 710 psi @ 0°C
<b>Recovery After 24 HR.</b>	100%	
<b>Mildew Resistance</b>	ASTM D3273	28 days > 85% RH – no growth
<b>Dirt Pick-up Resistance</b>	Excellent	
<b>Curing Time</b>	2 hr. Tack free @ 20°C 48 hr. Full cure @ 20°C	
<b>Accelerated Weathering</b>	ASTM G 155 Cycle 1 Xenon Arc	Defect free after 2000 hours

<b>Packaging</b>	Durex® Lumino Architectural Coatings are pre-mixed and packaged in 18.9 L (5 gal) pails, and are available in multiple standard colours. Custom colour matching is available upon request. Please refer to the <i>Durex® Colour Selection Guide</i> for all available colour options.
<b>Storage</b>	Store Durex® Lumino Architectural Coatings in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials at ambient temperatures above 5 degrees C and below 35 degrees C. <b>KEEP FROM FREEZING.</b>
<b>Surface Preparation</b>	Surfaces to be coated shall be clean, dry, structurally sound and free of debris or other materials deleterious to adhesion. Clean surfaces with a wire brush and/or power washer to remove dirt, loose materials and debris. Allow surfaces to thoroughly dry prior to applications. Contact Durabond Technical Services for further information.
<b>Application</b>	THOROUGHLY MIX PRIOR TO USE. DO NOT DILUTE WITH WATER OR OTHER ADDITIVES. Discard frozen materials, materials which have formed solid lumps and/or materials which do not appear to be of a homogeneous viscosity. Apply materials at ambient temperatures above 5 degrees C.  <b>Refer to specific texture/finish Technical Data Sheet for application instructions.</b> Allow a minimum of 24 hours for curing. Protect freshly applied coating from inclement weather until coating has fully set and cured. Prevent rapid evaporation.
<b>Limitations</b>	Durex® Lumino Architectural Coatings are not recommended for applications when ambient temperatures are below 5 degrees C (40 degrees F) during application and curing periods, and/or previously treated surfaces without proper preparation or on surfaces where oils and/or other contaminants are present.
<b>Clean-up</b>	Wash all tools and equipment immediately with warm water and mild detergent. Do not allow coating to dry on tools. Durex® Cleaning Solution CS-100 is available to clean soiled areas where Durex® Lumino Architectural Coating has dried.
<b>Health and Safety</b>	Use this product under well ventilated conditions with an appropriate respirator, approved for organic vapours, and rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water, and seek medical attention if irritation begins. Harmful if swallowed. Do not induce vomiting. Drink 1-2 glasses of water or milk. Keep product out of reach of children. Read published Safety Data Sheet prior to handling, storage and use.
<b>Warranty</b>	<b>Durabond Products Limited</b> warrants this product is free of manufacturing defects. <b>Durabond Products Limited</b> will replace this product 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
<b>Technical Services</b>	Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . Data sheets are subject to change without notice. Please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> for the most current information, or call toll free at 1-877-DURABOND (387-2266).

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