

# Durex® Flexbond TopCoat

## 100% Acrylic High-Performance Polymer Modifier for Architectural Mouldings & Wall Panels

<b>Description</b>	<p>Durex® Flexbond TopCoat is a high-polymer-content acrylic modifier formulated for use with Durex® Trim Cast to create a durable, stone-like fine finish for architectural mouldings and wall panels. Engineered with weathering conditioning agents, it enhances adhesion, flexibility, and durability while providing a natural stone-like texture that eliminates the need for additional protective coatings.</p> <p>Designed for exterior and interior architectural applications, Durex® Flexbond TopCoat ensures long-lasting performance while maintaining an elegant, natural aesthetic. .</p>
<b>Uses</b>	Durex® Flexbond TopCoat is designed to be mixed with Durex® Trim Cast to produce a stone-like fine finish for Extruded Architectural Elements, Decorative Wall Panels, Cornice and Trim . Ideal for residential, commercial, and institutional applications requiring a high-end stone finish.
<b>Features</b>	<p>Durex® Flexbond TopCoat is formulated to provide:</p> <ul style="list-style-type: none"> <li>• Natural Stone-Like Finish – Provides a fine stone texture without requiring additional protective coatings</li> <li>• High Polymer Content – Ensures superior flexibility, adhesion, and durability</li> <li>• Weather-Resistant Formula – Contains weathering conditioning agents to withstand extreme outdoor conditions</li> <li>• Increased Impact Resistance – Enhances durability for long-term performance</li> <li>• Excellent Workability – Smooth, easy-to-apply consistency for an even finish</li> <li>• Water-Based &amp; Low VOC – Eco-friendly and safe for various environments</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES	
<b>Product Type</b>	Water-based acrylic emulsion
<b>Appearance</b>	White semi-viscous milky liquid
<b>Viscosity</b>	175-300 cps
<b>pH Level</b>	9.0 to 9.6
<b>Toxicity</b>	Non-toxic
<b>Mix Open Time</b>	45-60 minutes

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
<b>Tensile Strength</b>	ASTM C190	0.65 MPa (95 psi) without mesh 19.75 MPa (2865 psi) with mesh
<b>Elongation</b>	ASTM D412	6.0%
<b>Flexural Strength</b>	ASTM C293	9.30 MPa (1350 psi)
<b>Water Vapour Transmission</b>	ASTM E96	355 ng/Pa.s.m <sup>2</sup> @ 25°C
<b>Coefficient of Water Absorption</b>	CCMC 5.5.1	0.00007 kg/(m <sup>2</sup> .s ½)
<b>Salt Spray Resistance</b>	ASTM B117	Passed (300 hours)
<b>Accelerated Weathering</b>	ASTM D822	Passed (2000 hours)

\*All performance characteristics noted above are as a result of using Durex® Flexbond TopCoat in conjunction with Durex® Trim Cast.

<b>Packaging</b>	Durex® Flexbond TopCoat is readily available in 18.9 litre pails and 1000 litres reinforced plastic Totes.				
<b>Storage</b>	Store Durex® Flexbond TopCoat in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep material dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. <b>KEEP FROM FREEZING. DISCARD ANY FROZEN MATERIALS.</b>				
<b>Mixing Procedure</b>	<p>Mix Durex® Flexbond TopCoat with Durex® Trim Cast to the proportions as noted below. Mix thoroughly until matrix is free of lumps. Do not over mix or mix with mixing paddles at speeds over 600 rpm as excessive air will be induced into the mix which will affect the long-term performance of the mixture. Let mixture stand for 5 to 10 minutes, then re-temper and use. Discard all mixtures which begin to harden a second time. Thoroughly mix Durex® Flexbond TopCoat before each use. Discard all frozen materials, materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity.</p> <p>Mix Durex® Trim Cast with Durex® Flex Bond in accordance with the following ratio:</p> <table> <tr> <td>Durex® Trim Cast</td><td>1 bag (22.7 kg)</td></tr> <tr> <td>Durex® Flex Bond</td><td>5.5 – 6.0 Litres</td></tr> </table>	Durex® Trim Cast	1 bag (22.7 kg)	Durex® Flex Bond	5.5 – 6.0 Litres
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Note: above noted mixing ratio is recommended for ideal performance. Ratio can be modified to desired consistency based on specific application method requirements. In such cases it is recommended to conduct trials of desired ratio, inclusive of assessment of performance of cured product, prior to proceeding with full production.

**DO NOT SUBSTITUTE NOR COMPENSATE DUREX® FLEXBOND TOPCOAT WITH ANY OTHER TYPE OF MIXING LIQUID MEDIUM.**

<b>Limitations</b>	Not recommended for use when ambient, surface and material temperatures are less than 5°C (41°F) during application and curing period.
<b>Clean-up</b>	Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.
<b>Health and Safety</b>	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.
<b>Warranty</b>	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.
<b>Technical Services</b>	Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . For the latest version of this data sheet, please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

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