

Durex® ACR LIMESTONE Ivory Precast

Flexible Polymer-based Stone Replicating Coating System

Description	Durex® ACR – LIMESTONE is a high-performance architectural finish system designed to replicate the appearance of fine-cut limestone. It is intended for application over the base coat of Durex® EIF Systems, providing a smooth, non-reflective surface. This system is ideal for creating architectural features on both exterior and interior wall surfaces and is suitable for new and existing buildings. Its panelized aesthetic, achieved through the incorporation of reveals and control joints, offers flexibility in façade design.
Uses	Durex® ACR – LIMESTONE is suitable for Architectural wall finishes for exterior and interior applications. Enhancing the appearance of EIFS and direct-applied stucco systems. Creating custom façade designs with panelized aesthetics. Restoration and refinishing of aged surfaces with a modern, limestone-like appearance. Applications in commercial, institutional, residential, and high-rise buildings. Integration into prefabricated construction components.
Features	<p>Limestone Aesthetic – Replicates the appearance of fine-cut limestone for a high-end architectural finish.</p> <p>Smooth, Non-Reflective Surface – Provides a refined, uniform appearance with minimal glare.</p> <p>Durable & Weather Resistant – Formulated to withstand exterior exposure, including freeze-thaw cycles.</p> <p>Breathable Composition – High vapor permeability reduces the risk of trapped moisture.</p> <p>Flexible Design Options – Can be used with reveals, control joints, and panelized patterns for custom designs.</p> <p>Ease of Maintenance – Low-maintenance surface with long-term durability.</p> <p>UV & Fade Resistance – Maintains color integrity over time under varying environmental conditions.</p> <p>Seamless Integration – Works with EIFS and stucco systems for a consistent finish.</p> <p>Enhanced Adhesion – Bonds effectively to prepared base coat surfaces.</p>

TECHNICAL DATA

PHYSICAL PROPERTIES		
Product Type	Cementitious dry fine powder mixture	
Appearance	White fine powder	
Viscosity	n/a	
pH Level	11 -12	
Toxicity	Non-toxic	
PERFORMANCE PROPERTIES	METHOD	RESULT
Compressive Strength	ASTM C109	0.98 MPa (145 psi) without mesh
	ASTM C109	21 MPa (3050 psi) with mesh
Flexural Strength	ASTM C348	≥ 4 MPa
Water Absorption	ASTM C642	≤ 6%
Adhesion to Substrate	ASTM C297	≥ 1.0 MPa
Freeze-Thaw Resistance	ASTM C666	No visible damage after 50 cycles
Surface Hardness	ASTM D2240 (Shore D)	≥ 65
Capillary Water Absorption	ASTM C1585	≤ 0.2 kg/m ² h ^{0.5}
Permeability to Water Vapor	ASTM E96	285 – 450 ng/Pa.s.m ² (5 - 8 perms)
UV Resistance	ASTM G154	No significant degradation after 2500 hours
VOC Content	ASTM D3960	< 50 g/L (Low-VOC) (when mixed with Cast Bond)

Packaging Durex® Cast Bond is readily available in 18.9 litre pails, and 1000 litres totes. Durex® ACR LIMESTONE Ivory Precast is available in 22.7 kg (50 lb) bags and it is offered in three (3) grades: Ivory Precast, ACR Limestone and Ivory Moulding.

Storage Store Durex® Cast Bond and ACR LIMESTONE Ivory Precast in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, dampness and moisture and away from direct sunlight. **KEEP FROM FREEZING.**

Mixing Procedure Thoroughly mix Durex® ACR LIMESTONE Ivory Precast before each use. Discard all materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity. Discard all frozen materials. Discard all material which has begun to harden. Mix Durex® ACR LIMESTONE Ivory Precast with Durex® Flex Bond in accordance with the following formula:

Durex[®] ACR Limestone Ivory Precast 1 bag (22.7kg)
Durex[®] Flex Bond TopCoat 5.5 – 6.0 Litres

Application	<p>Pour Durex[®] Flex Bond into an empty clean mixing container. While under slow mixing action, add Durex[®] ACR Limestone Ivory Precast in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use excessive mixing speed. Let mixed material stand for a few minutes until it begins initial stiffening. The user can add slightly more or less of the aforementioned mixing ratio based on requirements. Contact Durabond for any further mixing information and guidance. Mix only enough materials which can be used within 45 minutes. Re-temper and use. Discard all materials which have begun to stiffen for a second time. DO NOT SUBSTITUTE NOR COMPENSATE DUREX[®] ACR Limestone Ivory Precast with water or other additives.</p>
Limitations	<p>While Durex[®] ACR Limestone Ivory Precast mix is wet, it is applied over expanded polystyrene architectural mouldings, employing various manual, semi-manual and/or automated extrusion methods.</p> <ul style="list-style-type: none">• Mix Durex[®] ACR Limestone Ivory Precast only with Durex[®] Flex Bond TopCoat• Ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period• Do not apply the mix in any layers thicker than 3.2 mm (1/8") in any one pass
Clean-up	<p>Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.</p>
Health and Safety	<p>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.</p>
Warranty	<p>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.</p>
Technical Services	<p>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 Products Ltd. sales representative.</p>

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