

# Durex® Monobase

## Non-combustible Single-Component Polymer-based Cementitious Base Coat

<b>Description</b>	Durex® Monobase is a single-component polymer-based non-combustible cementitious mortar which has been developed to utilize advanced polymer technology to combine the strength and toughness of polymer-modified cement with the flexibility of synthetics.
<b>Uses</b>	Durex® Monobase mix is used as a non-combustible base coat in Durex® EIFS Systems and applicable as indicated in the respective systems specifications.
<b>Features</b>	<p>Durex® Monobase has been formulated to provide a highly flexible cement-based coating which is crack resistant. It can be bent over a 6.4 mm (1/4") mandrel without cracking. Durex® Monobase provides the following features:</p> <ul style="list-style-type: none"> <li>• Superior adhesion to various inorganic substrates</li> <li>• Combines the strength of cement and the flexibility of synthetics</li> <li>• Designed to allow minor movements up to 1.6 mm (1/16") in the substrate without causing cracking in the base coat</li> <li>• Allows for large surface areas to be coated without the need of unwanted control joints</li> <li>• Ready to use; just add water</li> <li>• Excellent job site quality control</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES	
<b>Product Type</b>	Polymer-based plaster mixture
<b>Appearance</b>	Grey cementitious powder
<b>Toxicity</b>	CAS-Registry No. 65997-15-1 (contains Portland Cement)
<b>Coverage</b>	Each pail/bag will provide approximately 9 m <sup>2</sup> (100 ft <sup>2</sup> ) at 3.2 mm (1/8") thickness

PERFORMANCE PROPERTIES	METHOD	RESULT
<b>Tensile Strength</b>	ASTM C190-85	0.35 MPa (50 psi) without mesh 16.55 MPa (2400 psi) with mesh
<b>Elongation</b>		9.4%
<b>Flexural Strength</b>	ASTM C293-70	8.28 MPa (1200 psi)
<b>Air Leakage</b>	ASTM E283-91	0.0174 L/s.m <sup>2</sup> @ 1.5 mm thick 0.0022 L/s.m <sup>2</sup> @ 3.0 mm thick Class 3 air barrier
<b>Water Vapour Permeance</b>	ASTM E96-95	385.56 ng/Pa.s.m <sup>2</sup> @ 25°C
<b>Fire Rating</b>	CAN/ULC S114	Rated non-combustible

<b>Packaging</b>	Durex® Monobase is readily available in 22.7 Kg (50 lb) bags.
<b>Storage</b>	Store Durex® Monobase 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. <b>KEEP FROM FREEZING.</b>
<b>Mixing Procedure</b>	<p>Thoroughly mix Durex® Monobase 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® Monobase with clean potable water in accordance with the following formula:</p> <ul style="list-style-type: none"> <li>• Water 6-7 litres</li> <li>• Durex® Monobase 1 bag</li> </ul> <p>Pour clean potable water into an empty clean mixing container. While under slow mixing action add the Durex® Monobase 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 approximately 15 minutes. Mix only enough materials which can be used within 1 hour. Working time may vary slightly depending on temperature and relative humidity. Re-temper and use. Discard all materials which have begun to stiffen for a second time. <b>DO NOT SUBSTITUTE NOR COMPENSATE DUREX® MONOBASE WITH OTHER ADDITIVES.</b></p>

<b>Application</b>	Refer to the selected Durex® Wall System for the application of the Durex® Monobase.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>· Mix Monobase only with clean, potable water</li> <li>· Ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period</li> <li>· Do not apply the mix in layers thicker than 3.2 mm (1/8") in any one pass</li> </ul>
<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 MSDS 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.

