

Durex® Monobase NC

Non-combustible Single Component Polymer-based Cementitious Base Coat

Description	Durex® Monobase NC is a single component polymer base 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.
Uses	Durex® Monobase NC mix is used as a non-combustible base coat in “Durex® EIFS Systems applicable as indicated in the respective systems specifications.
Advantages	<p>Durex® Monobase NC 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 NC provides the following features:</p> <ul style="list-style-type: none"> • Superior adhesion to various inorganic substrates • Combines the strength of cement and the flexibility of synthetics • Designed to allow minor movements up to 1.6 mm (1/16”) in the substrate without causing cracking in the base coat. • Allows for large surface areas to be coated without the need of unwanted control joints. • Ready to use; just add water • Excellent job site quality control
Limitations	<ul style="list-style-type: none"> • Mix Monobase NC only with clean, potable water • Ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period • Do not apply the mix in layers thicker than 3.2 mm (1/8”) in any one pass

TECHNICAL DATA

PHYSICAL PROPERTIES

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

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

Mixing Procedure Thoroughly mix Durex® Monobase NC 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 NC with clean, potable water in accordance with the following formula:

- Water 5 litres
- Durex® Monobase NC 1 bag

Pour clean potable water into an empty clean mixing container. While under slow mixing action add the Durex® Monobase NC 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. Retemper and use. Discard all materials which have begun to stiffen for a second time. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® MONOBASE NC WITH OTHER ADDITIVES.**

Application Refer to the selected Durex® Wall System for the application of the Durex® Monobase NC.

Clean up Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.

Storage	Store Durex® Monobase NC 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.
Packaging	Durex® Monobase NC is readily available in 22.7 Kg (50 lb) bags.
Health and Safety	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.
Warranty	Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Durabond's responsibility shall not exceed either the refund of the purchase price or the replacement of the purchased product
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 sales representative.

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