

Durex Polyplast

Flexible Polymer-based Cementitious Base Coat

Description	Durex® Polyplast is a single-component polymer-based 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® Polyplast mix is specifically designed to be used as the base coat in Durex® Flexlite Wall Systems and when the application and/or wall design allows. Please check with your Durabond representative for technical assistance.
Features	<p>Durex® Polyplast 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® Polyplast 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 • Very economical • Designed to allow minor movements 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

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)	
PERFORMANCE PROPERTIES	METHOD	RESULT
Tensile Strength	ASTM C190	0.35 MPa (50 psi) without mesh
	ASTM C190	16.55 MPa (2400 psi) with mesh
Elongation		9.4%
Flexural Strength	ASTM C293	8.28 MPa (1200 psi)
Air Leakage	ASTM E283	0.0022 L/s.m ² @ 3.0 mm thick
Water Vapour Permeance	ASTM E96	385.56 ng/Pa.s.m ² @ 25°C
Packaging	Durex® Polyplast is readily available in 22.7 Kg (50 lb) bags.	
Storage	Store Durex® Polyplast 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	<p>Thoroughly mix Durex® Polyplast 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® Polyplast with clean, potable water in accordance with the following proportions:</p> <ul style="list-style-type: none"> • Water 5 litres • Durex® Polyplast 1 bag <p>Pour clean potable water into an empty clean mixing container. While under slow mixing action add the Durex® Polyplast 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. DO NOT SUBSTITUTE NOR COMPENSATE DUREX® POLYPLAST WITH OTHER ADDITIVES.</p>	

Application	Refer to the selected Durex® Flexlite Wall System for the application of the Durex® Polyplast.
Limitations	<ul style="list-style-type: none"> . Mix Polyplast 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
Clean-up	Clean all tools promptly after each use with clean water. Do not allow mixes to dry on tools.
Health and Safety	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.
Warranty	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.
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 Durabond Products Ltd. sales representative.



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