

### PRODUCT DESCRIPTION:

**DUREX POLYPLAST** is a single component polymer based cementitious mortar which has been developed to utilize advanced polymer technology combined with the strength and toughness of polymer modified cement and the flexibility of synthetics.

### USES:

**DUREX POLYPLAST** is specifically designed to be used as the base coat in **Durex Flexlite Wall System** and when the application and/or wall design allows. Please check with your **Durabond** representative for technical assistance.

### ADVANTAGES:

**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:

- superior adhesion to various inorganic substrates
- combines the strength of cement and the flexibility

of synthetics

- very economical
- designed to allow minor movements up to 1.6mm (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:

- Mix **DUREX 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

### MIXING PROCEDURE:

DO NOT SUBSTITUTE NOR COMPENSATE THE **DUREX POLYPLAST** MIX WITH OTHER ADDITIVES.

### 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).

#### Performance Characteristics:

Test	Method	Results
<b>Tensile strength:</b>	ASTM C190-85	0.35 MPa (50 psi) without mesh
	ASTM C190-85	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
<b>Water Vapour Permeance:</b>	ASTM E96-95	Class 3 air barrier 385.56 ng/Pa·s·m <sup>2</sup> @ 25°C

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DUREX POLYPLAST  
POLYMER BASED CEMENT PLASTER

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 formula:

<b>WATER</b>	5 liters
<b>POLYPLAST</b>	1 bag

Pour **DUREX POLYPLAST** 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 over-mix nor 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.

#### **APPLICATION:**

Refer to **Durex Flexlite Wall System** for the application of **DUREX POLYPLAST**.

#### **CLEAN-UP:**

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

#### **STORAGE:**

Store **DUREX POLYPLAST** in a dry, vented, waterproof location, stacked off the ground and 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 POLYPLAST** is readily available in 22.7 kg (50 lb) bags.

#### **COVERAGE:**

Each pail/bag will provide approximately 9 m<sup>2</sup> (100 ft<sup>2</sup>) at 3.2 mm (1/8") thickness.

#### **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 assistance for unique applications and design is available upon request from **Durabond Products Limited**.

# **DURabond**

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