

### PRODUCT DESCRIPTION:

**DUREX ECTOFLEX** is a two-component, flexible, polymer based cementitious coating designed to prevent moisture ingress, under hydrostatic pressure as well as air leakage and vapour diffusion. **DUREX ECTOFLEX** is light grey in colour when fully cured.

### USES:

**DUREX ECTOFLEX** is used as a waterproofing membrane designed to provide moisture protection in a variety of both vertical and horizontal applications, including foundations walls, tunnels and other earth sheltered structures, plaza decks, mud slabs and other split slab construction, wet rooms and balconies.

**DUREX ECTOFLEX** can also be used as an air/vapour barrier within the building envelope. It may be applied to most common substrates such as concrete block, wood, metal, cement board, glass-mat coated gypsum board, and brick.

### ADVANTAGES:

- used for both exterior or interior applications
- retains flexibility to -20°C

- very low permeability
- long term weathering
- excellent adhesion to almost any substrate
- permanently bridges minor cracks
- water-based technology allows for simple, safe application and easy clean-up
- liquid application assures a monolithic, seamless membrane
- type III Air Barrier (NRC Classification)
- type I Vapour Barrier- $<15\text{ng/pa.s.m}^2$  (0.25perms) as designated by Canadian Building Codes

### LIMITATIONS:

**DUREX ECTOFLEX** is not recommended for use:

- when ambient, surface and material temperatures are below 5°C (41°F) during application and curing time.
- over surfaces previously coated with an oil based paint or high gloss paint without the use of a primer.

### MIXING PROCEDURE:

Thoroughly mix **DUREX ECTOFLEX** before each use. Discard all materials which have formed solid

### TECHNICAL DATA

#### Physical Properties:

<b>Product Type:</b>	Flexible cement (polymer with cement & sand )
<b>Appearance:</b>	Grey cementitious slurry
<b>Viscosity:</b>	Pourable
<b>Minimum Film Forming Temperature:</b>	5°C.
<b>Shelf Life:</b>	1 year
<b>Toxicity:</b>	Non-toxic

#### Performance Characteristics:

TEST	METHOD	RESULTS
<b>Tensile Strength:</b>	ASTM C190-85	0.35 MPa without mesh
	ASTM C190-85	16.55 MPa with mesh
<b>Elongation:</b>		24%
<b>Flexural strength:</b>	ASTM C293-70	6.23 MPa
<b>Air Leakage:</b>	ASTM E283-91 (NRC classification)	0.0105 L/s.m <sup>2</sup> @ 1.0 mm thick Type III Air Barrier

**TECHNICAL DATA (CONT'D.)**

TEST	METHOD	RESULTS
<b>Water Vapour Permeance:</b>	ASTM E96-95 (when applied to uniformly flat substrate)	3.0 ng/Pa.s.m <sup>2</sup> @ 1.0 mm thick <u>Average Results</u> <u>Thickness</u> 6.0 na/Pa.s.m <sup>2</sup> 1.25mm 9.0 na/Pa.s.m <sup>2</sup> 1.10mm
Above results are based on averages including a margin of error considering that <b>DUREX ECTOFLEX</b> may be applied to various substrates with or without irregularities. Meets the requirements of Type I Vapour Barrier as per Canadian Building Codes (< 15 na/Pa.s.m <sup>2</sup> ).		
<b>Impermeability to Water :</b>	CCMC 6.7	passed (no dampness after 19hrs)
<b>Coefficient of Water Absorption:</b>	CCMC 5.5.1	0.0007 kg/(m <sup>2</sup> .s <sup>1/2</sup> )
<b>Salt Spray Resistance:</b>	ASTM B-117	Passed ( 300 hours)
<b>Salt Spray Resitsance:</b>	ASTM D-822	Passed ( 2000 hours)
<b>Freeze/ thaw Resistance:</b>	CCMC method	Passed ( 10 cycles)

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. iPour 1 part **DUREX ECTOFLEX** polymer into large ( 5 gal.) pail and slowly mix two parts powder (by weight) into liquid mix for 3-5 minutes with a heavy duty drill (400 rpm to 600 rpm) and a jiffler- type paddler.

**APPLICATION:**

It is recommended that whenever possible the application of **DUREX ECTOFLEX** is carried out in two (2) coats to maximize the performance of this product. However, one (1) coat application is acceptable as long as minimum thickness is maintained and the substrate is uniformly flat and relatively free of pin holes and imperfections.

**DUREX ECTOFLEX** may be applied by brushing, rolling, or trowel.

Apply **DUREX ECTOFLEX** in one or two coats, with each coat not more than 1.5 mm thick. The total thickness should not exceed 4 mm (apply a maximum of 2 coats within 24 hrs period). Protect freshly applied coating from inclement weather until coating has fully set and cured.

SUBSTRATE MUST BE SOLID, CLEAN, AND SOUND FREE OF DUST, DIRT, OIL, GREASE AND OTHER DELETERIOUS MATERIALS DETRIMENTAL TO A POSITIVE BOND.

CHECK WITH **DURABOND PRODUCTS LTD** FOR QUESTIONABLE SUBSTRATES

**CLEAN-UP:**

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

**STORAGE:**

Store **DUREX ECTOFLEX** components at temperatures above 0°C.

**PACKAGING:** A unit consists of a 10 liter jug of latex acrylic polymer and 1 bag (25 kg) of powder.

**COVERAGE:**

Each unit will cover approximately:

- 12 m<sup>2</sup> (130 ft<sup>2</sup>) at 2 mm (3/32") thickness.
- 20 m<sup>2</sup> (215 ft<sup>2</sup>) at 1 mm (3/64") 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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