

PRODUCT DESCRIPTION:

DUREX EMC is a 100% acrylic based elastomeric high build protective wall coating. Its' unique formulation permits bridging of minor cracks which can normally appear in walls. A breathable coating, the **DUREX EMC** provides an effective weather shield for wall surfaces.

USES:

DUREX EMC can be applied over almost any solid substrate including but not limited to, the following:

- clean concrete and masonry and all other types of cementitious substrates
- over solid clean substrates, including stucco with cracks not greater than 1.6 mm (1/16") wide
- exterior and interior surfaces
- stone, precast, exposed aggregate surfaces

ADVANTAGES:

- high flexibility; up to 300% elongation with 100% recovery
- retains flexibility at low temperatures to -40°C

- low dirt pick up (wall remains cleaner even in high pollution areas)
- easy to apply
- ready-mixed; economical
- excellent adhesion to cementitious substrates
- permeable; allows wall to breathe and trapped water vapour in wall to evaporate
- long term weatherability
- excellent resistance to ultraviolet rays
- colourfast
- permanently bridges existing minor cracks

LIMITATIONS:

DUREX EMC is not recommended for use:

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

APPLICATION:

DO NOT SUBSTITUTE NOR COMPENSATE **DUREX EMC** WITH WATER OR OTHER ADDITIVES.

TECHNICAL DATA

Physical Properties:

Product type:	Acrylic based elastomeric coating.
Appearance:	Heavy bodied, paint-like.
Viscosity:	10,000 to 15,000 cps
Ph level:	9.0 to 9.5
Toxicity:	Non-toxic
Minimum film forming temperature:	5°C
Shelf life:	3 years

Performance Characteristics:

Film thickness:	10 mils 2 coats (dry)
Permeance:	195.3 ng/Pa·s·m ² @ 25°C
Flexibility:	180° over 1/8" rod at -20°C no cracking
Curing time:	2 hours tack free (at 20°C); 48 hours full cure (at 20°C)
Adhesion:	220 newton axial load: pass
Tensile strength (max.):	203 psi @ 25°C; 710 psi @ 0°C
Elongation at break:	355% @ 25°C; 130% @ 0°C
Dirt pick-up resistance:	Excellent
Recovery after 24 hrs.:	100%

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PROTECTIVE COATINGS
ELASTOMERIC HIGH PERFORMANCE COATING

Substrate must be dry, solid, clean and sound, free of weak and powdery surfaces, dust, dirt, oil, grease and other deleterious materials detrimental to a positive bond.

Check with **Durabond Products Limited** for questionable substrates.

Clean substrate surfaces by sandblasting or high pressure water blasting.

Apply a coat of **Durex Dur-X-Cel Primer** on all new concrete surfaces and chalky, mineral and/or weak concrete surfaces.

Thoroughly stir **DUREX EMC** within its' own pail before each use. Discard all frozen materials, materials which have formed solid lumps at the bottom of the container and materials which do not appear to be of a homogeneous viscosity.

Using a 6.4 mm (1/4") pile roller dip roller into stirred pail of material. Apply the coating with several passes of the roller, evenly spreading the coating over the entire substrate surface.

Ensure that the final stroke of the roller is always in the same direction and with the same pressure applied to the roller.

Carefully organize the work with sufficient available tradesmen in order to complete an entire section from natural break point to natural break point. **AVOID STOP AND START LINES WITHIN ANY ONE SECTION.**

Apply **DUREX EMC** in a minimum number of 2 coats, each coat to a minimum of 0.25 mm (10 mils) wet film thickness. The final total dry film thickness shall be a minimum of 0.25 mm (10 mils).

Allow each coat to be tack free prior to applying succeeding coat. Apply a maximum of 2 coats within a 24 hours period.

Protect freshly applied coating from inclement weather until coating has fully set and cured.

CLEAN-UP:

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

Durex Cleaning Solution CS-100 is available to aid cleaning of soiled areas where the **DUREX EMC** has dried.

STORAGE:

Store **DUREX EMC** 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 EMC is packaged in 25 kg pails. **DUREX EMC** is available in 28 standard colours. Custom colour matching is available upon request at a slight additional charge.

COVERAGE:

6.15 m²/L (250 ft²/gal.) first coat
6.15 m²/L (250 ft²/gal.) second coat
(Allow 500 ft²/pail for two coats)

Coverage rate will vary according to the porosity and roughness of the surface being coated. Very rough or porous surfaces may require more than 2 coats to provide the required minimum 10 mils dry film 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

Manufacturers and Distributors of High Quality Construction Products

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