

PRODUCT DESCRIPTION:

DUREX FLEXCRETE is a two component polymer based mortar consisting of a water based acrylic liquid component **Flexcrete**, mixed with the dry component **Flexcrete "B"**. The **DUREX FLEXCRETE** mix 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 FLEXCRETE mix can be used as the base coat in "**Durex Pool Coat**", "**Durex Stucco Lite Soffit**" and "**Durex Flexlite**" system applications. Best available cementitious joint treatment and base coat for cement board substrates. **DUREX FLEXCRETE** is also used as the insulation adhesive base coat lamina for "**Durex Flexlite**".

DUREX FLEXCRETE is a Class 3 Air Barrier when applied at a minimum thickness of 1.5 mm (1/16").

ADVANTAGES:

DUREX FLEXCRETE 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 FLEXCRETE** provides the following features:

- superior adhesion to various inorganic substrates
- combines the strength of cement and the flexibility of synthetics
- 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 **Flexcrete "B"**
- excellent job site quality control

LIMITATIONS:

- Mix **Flexcrete** only with **Flexcrete "B"**
- 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:	Water based acrylic, sand-filled mixture.
Appearance:	White semi-solid ready mixed paste.
Viscosity:	Pourable paste.
Ph Level:	9.0 to 9.5
Toxicity:	Non-toxic

Performance Characteristics:

Test	Method	Results
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·m2 @ 1.5 mm thick
		0.0022 L/s·m2 @ 3.0 mm thick
Water Vapour Permeance:	ASTM E96-95	Class 3 air barrier 385.56 ng/Pa·s·m2 @ 25°C

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STUCCO BASE COAT
POLYMER BASED CEMENT PLASTER

TECHNICAL DATA (cont'd.)

Performance Characteristics: (cont'd.)

Test	Method	Results
Impermeability to Water:	CCMC 6.7	385.56 ng/Pa·s·m ² @ 25°C
Coefficient of Water Absorbption:	CCMC 5.5.1	0.0007 kg/(m ² ·s ^{1/2})
Salt Spray Resistance:	ASTM B-117	passed (300 hours)
Accellerated weathering:	ASTM D-822	passed (2000 hours)
Freeze/Thaw Resistance:	CCMC Method	passed (10 cycles)

MIXING PROCEDURE:

DO NOT SUBSTITUTE NOR COMPENSATE THE **DUREX FLEXCRETE** MIX WITH WATER OR OTHER ADDITIVES.

Thoroughly mix **DUREX FLEXCRETE** 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 FLEXCRETE** with **Durex Flexcrete "B"** in accordance with the following formula:

DUREX Flexcrete "B"	1 bag
Durex Flexcrete	1 pail

Pour **DUREX FLEXCRETE** into an empty clean mixing container. While under slow mixing action add the **Durex Flexcrete "B"** 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 a few minutes until it begins initial stiffening. Mix only enough materials which can be used within 45 minutes. Retemper and use. Discard all materials which have begun to stiffen for a second time.

APPLICATION:

Refer to the selected Durex Wall System for the application of **DUREX FLEXCRETE**.

CLEAN-UP:

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

STORAGE:

Store **DUREX FLEXCRETE** 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 FLEXCRETE is readily available in 18.9 litre (4.5 gal.) pails. **Durex Flexcrete "B"** is available in 22.7 kg (50 lb) bags.

COVERAGE:

Each pail/bag will provide approximately 9 m² (100 ft²) when applied at a thickness of 3.2 mm (1/8").

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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