

### PRODUCT DESCRIPTION:

**DUREX DUR-A-FLOOR** is a two component repair mortar consisting of a dry premixed cement based product mixed with the liquid additive **Durex Acrylic Resin Bond**. Colour of the mixture is grey.

### USES:

**DUREX DUR-A-FLOOR** is used for concrete floor repair work. It is especially suitable for filling in large holes and recesses in concrete as well as a trowel applied overlay.

### ADVANTAGES:

**DUREX DUR-A-FLOOR** has been formulated with numerous ideal features to facilitate and simplify its use.

- simple to use
- excellent workability
- low shrinkage
- excellent compressive and flexural strength
- excellent adhesion to substrate
- excellent freeze-thaw stability

### LIMITATIONS:

**DUREX FLOOR PATCH** is not recommended for use:

- when ambient, surface and material temperatures are below 5°C (41°F) during application and curing period
- for repairs in excess of 9.5 mm (3/8") in depth without the addition of larger aggregates.
- as an overlay for large areas

### MIXING PROCEDURE:

Discard all materials which have begun to harden.

Mix **DUREX DUR-A-FLOOR** with **Durex Resin Bond** in accordance with the following formula by weight:

1 bag (50 lbs) **DUREX DUR-A-FLOOR**  
5 litres **Durex Acrylic Resin Bond**

For sections in excess of 3/4" (19 mm) in depth or overlays thicker than 1/2" (12 mm) use the following formula:

1 bag (50 lbs) **DUREX DUR-A-FLOOR**  
50 lbs (22.7 kg) concrete sand  
7 litres **Durex Acrylic Resin Bond**

### TECHNICAL DATA

#### Physical Properties:

<b>Product type:</b>	Polymer modified cementitious topping
<b>Pot life:</b>	1 - 2 hrs @ 21°C (70°F)
<b>Full set:</b>	4 hrs
<b>Full cure:</b>	7 days
<b>Shelf life:</b>	8 months
<b>Toxicity:</b>	Same as Portland Cement

#### Performance Characteristics:

TEST	METHOD	RESULTS
<b>Compressive strength:</b>	ASTM C-109-90	35.17 MPa (5100 psi)
<b>Flexural strength:</b>	ASTM C-293-79	6.91 MPa (1002 psi)
<b>Shear bond adhesion:</b>	ASTM C-882-87	11.20 MPa (1625 psi)
<b>Absorption rate:</b>	24 hr immersion	1.90% in water
<b>Taber abrasion:</b>	CAN/CGSB-75.1-M88	29.24 (rated 1a-Abrasion resistance)
<b>Tensile strength:</b>	ASTM C-190-85	6.00 MPa (870 psi)

Pour **Durex Acrylic Resin Bond** into an empty clean mixing container. While under slow mixing action add the **DUREX DUR-A-FLOOR** in the required mixing proportions. Mix well until the mixture is free of lumps. Do not over mix or use excessive mixing speed.

Let mixed material stand for a few minutes until they begin 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:**

Remove all delaminated, scaled, and otherwise deteriorated concrete down to solid concrete.

CHECK WITH **DURABOND PRODUCTS LIMITED** FOR QUESTIONABLE SURFACES.

Clean the areas to be repaired by suitable means so that the substrate is clean and sound, free from ice, snow, dew and frost, dust, dirt, oil, grease and other foreign matter detrimental to a positive bond.

Apply a liquid mixture, as a bonding agent, to the surface to be repaired leaving no standing water. Trowel apply the repair material. When the depth of the area to be repaired is more than 9.5 mm (3/8") deep, add larger aggregates to the mix to prevent shrinkage cracking.

Allow a minimum of 24 hours for curing. Protect freshly installed materials from inclement weather until materials have fully set and cured. Prevent rapid evaporation.

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

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

#### **STORAGE:**

Store **DUREX DUR-A-FLOOR** 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 kept away from direct sunlight.

KEEP FROM FREEZING.

#### **PACKAGING:**

**DUREX DUR-A-FLOOR** is packaged in 22.7 kg (50 lb) bags.

#### **COVERAGE:**

One bag of **DUREX DUR-A-FLOOR** mixed with 5 litres of **Durex Acrylic Resin Bond** will yield approximately 22.5 litres - 27.0 litres (6 gal. - 7 gal.) of mix. Coverage will vary according to the applied thickness. Average coverage will be approximately 5 m<sup>2</sup> (50 ft<sup>2</sup>) per bag at 3.2 mm (1/8") thickness per coat.

#### **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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