

### PRODUCT DESCRIPTION:

**DUREX SELF LEVELLING TOPPING** is a cementitious, well balanced blend of selected aggregates and various types of cements to produce a pourable or pumpable cement compound which will self level after screeding to the desired level of coverage. It is used in conjunction with **DUREX ACRYBOND CONCENTRATE**.

### USES:

**DUREX SELF LEVELLING TOPPING** is used as a fast setting high strength underlayment over rough concrete floors to fill cracks; repair damaged floor areas due to poor finishing, frost damage, etc.; or for general levelling of new and existing floor surfaces prior to installation of finish flooring material.

For toppings up to 9.6 mm (3/8") thick use medium grade. For toppings from 10 mm (3/8") up to 12.7 mm (1/2") thick use coarse grade.

### ADVANTAGES:

**DUREX SELF LEVELLING TOPPING** has been formulated to provide the following features to facilitate and simplify its application.

- easy to use (simply add potable water)

- fast setting (can be walked on in 6 to 8 hours)
- high strength; over 29 MPa (4200 psi)
- excellent adhesion when used with **DUREX ACRYBOND CONCENTRATE**
- mix as required (no waste)
- minimum skill required for application
- quicker turnover of floor space

### LIMITATIONS:

**DUREX SELF LEVELLING TOPPING** is not recommended for use:

- without the **DUREX ACRYBOND CONCENTRATE** in place
- over wood substrates
- for toppings over 12.7 mm (1/2") thick in any one coat
- over concrete surfaces less than 24.2 MPa (3500 psi) strength
- over previously treated surfaces without proper preparation
- over surfaces where oil, grease and other deleterious materials are present
- when surface, ambient and material temperatures are below 5°C (41°F) during application and curing period
- for exterior applications

### TECHNICAL DATA

#### Physical Properties:

<b>Product type:</b>	Water Based Latex emulsion
<b>Appearance:</b>	Fine granulated grey powder
<b>Toxicity:</b>	Non-Toxic

#### Performance Characteristics:

TEST	METHOD	RESULTS
<b>Compressive strength:</b>	ASTM C-109	1 Day 19.3 MPa (2800 psi) 7 Days 29.0 MPa (4209 psi) 28 Days 37.9 MPa (5500 psi)
<b>Flexural strength:</b>	ASTM C-348	6.8 MPa (980 psi)
<b>Shear bond adhesion:</b>	ASTM C-1042	7 Days 4.5 MPa (650 psi) 14 Days 7.9 MPa (1150 psi)
<b>Tensile strength:</b>	ASTM C-190	7.6 MPa (1100 psi)

## **APPLICATION:**

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

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

DO NOT SUBSTITUTE NOR COMPENSATE **DUREX ACRYBOND CONCENTRATE** or **DUREX SELF LEVELLING TOPPING** WITH OTHER ADDITIVES.

## **APPLICATION OF PRIMER:**

Thoroughly stir **DUREX ACRYBOND CONCENTRATE** 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.

## **SOLID NON-POROUS SURFACES:**

Mix 1 part **DUREX ACRYBOND CONCENTRATE** with 1 part potable water.

Apply primer with a brush, roller or squeegee evenly over the substrate to receive the new underlayment. Allow the primer to dry until tacky before proceeding with the application of the **DUREX SELF LEVELLING TOPPING**.

## **HIGHLY POROUS SURFACES:**

For highly porous substrates apply 2 coats of **DUREX ACRYBOND CONCENTRATE** to ensure positive bonding.

For the first primer coat mix 1 part **DUREX ACRYBOND CONCENTRATE** to 3 parts water. Mix thoroughly and apply generously to the substrate, allowing the primer to be absorbed well into the substrate. Allow to dry to the touch.

For the second primer coat mix 1 part **DUREX ACRYBOND CONCENTRATE** to 1 part water. Mix thoroughly and apply the second coat of the primer over the entire substrate. Allow the primer to dry until tacky before proceeding with the application of the **DUREX SELF LEVELLING TOPPING**.

## **APPLICATION OF DUREX SELF LEVELLING TOPPING:**

Only mix a quantity of **DUREX SELF LEVELLING TOPPING** which can be placed within 30 minutes after mixing.

Mix one bag of **DUREX SELF LEVELLING TOPPING** with 4.5 litres (1 gal.) of potable water, using a mechanical mixer 12.7 mm (1/2") drill (650 rpm). Mix thoroughly for approximately 2 minutes to obtain a lump-free, uniform consistency. Do not over-dilute with water.

Pour the **DUREX SELF LEVELLING TOPPING** mix and spread it with a spreader, screed or trowel. Use sufficient material to adequately cover all high points. Place the underlayment while the primer is still tacky; not dried out.

Discard all materials which have hardened.

Allow a minimum of 24 hours for curing. Protect freshly installed underlayment from traffic until underlayment has fully set and cured.

## **CLEAN UP:**

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

## **STORAGE:**

Store **DUREX SELF LEVELLING TOPPING** 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 ACRYBOND CONCENTRATE** is available in 18.9 litre (5 gal.) pails.

**DUREX SELF LEVELLING TOPPING** is available in two grades, medium and coarse, in 22.7 kg (50 lb) bags.

## **COVERAGE:**

Coverage of **DUREX ACRYBOND CONCENTRATE**: 4 litres per 37 to 46 m<sup>2</sup> (400 ft<sup>2</sup> - 500 ft<sup>2</sup>)

Coverage of **DUREX SELF LEVELLING TOPPING**: 1 bag per 2.6 m<sup>2</sup> (28 ft<sup>2</sup>) at 6.4 mm (1/4") thick.

## **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 is available upon request from **Durabond Products Limited**.

# **DURabond**

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