

PRODUCT DESCRIPTION:

DUREX CEMENT BOND is a latex emulsion for use both as a bonding agent and as an additive.

USES:

DUREX CEMENT BOND is used as both a general additive to cement based mixes and as a slurry primer to improve bonding between old concrete and new concrete toppings.

ADVANTAGES:

DUREX CEMENT BOND is formulated to provide:

- permanent concrete repairs
- elimination of costly chipping or roughening of surface required
- excellent bonding strength to cleaned old surfaces
- the application of concrete topping from 0 to over 25 mm (1") thick
- improved tensile, flexural and compressive strength of the mixture
- complete compatibility with high alkaline Portland cement mortars
- compatibility with mortar colouring pigments

- versatility and ease of use

LIMITATIONS:

DUREX CEMENT BOND is not recommended for use:

- in high moisture areas
- for modification to exterior cement mortars
- when ambient, surface and material temperatures are below 5°C (41°F) during application and curing period
- over previously painted surfaces
- over bituminous materials

MIXING PROCEDURE:

Do not substitute **DUREX CEMENT BOND** with any other type of mixing liquid medium for the above recommended formulations, unless otherwise approved in writing by **Durabond Products Limited**.

Thoroughly mix **DUREX CEMENT BOND** 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

TECHNICAL DATA

Product type:	Water based latex emulsion
Appearance:	White milky dense liquid
Viscosity:	1500 to 2000 cps
Ph level:	6.0-6.5
Toxicity:	Non-toxic
Coverage (typical):	
Primer:	Porous substrates 2.0 to 3.0 L/m ² (100 to 150 ft ² /gal) 2 coats
	Dense substrates 4.0 to 6.0 L/m ² (200 to 300 ft ² /gal) 1 coat
Typical addition rates:	4 litres/bag of Portland Cement (40 kg/bag)

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ADMIXTURES & ACCESSORIES
CEMENT BONDING AGENTS

a homogeneous viscosity.

It is recommended that with all applications of cement toppings and mortar repairs where **DUREX CEMENT BOND** is to be used as the additive, a slurry prime coat be applied first.

Mix the slurry primer as follows:

- 1 part **DUREX CEMENT BOND**
- 3 parts water

Apply the primer to the cleaned and sound substrate with a brush, broom or squeegee, ensuring that the surface to be treated is completely wetted but not soaked. Allow the primer to soak into the substrate. When the primer has become tacky apply the selected cement mixture and trowel to fine finish as required.

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- concrete topping up to 9.5 mm (3/8") thick
 - parging coat for concrete blocks
 - 1 bag (40 kg) Portland cement Type 10
 - 68 kg (150 lb) #35 mesh silica sand
 - 4 litres **DUREX CEMENT BOND**
 - 8 litres water

coverage:

12 m² at 6.4 mm (130 ft² at 1/4") thick

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- concrete topping from 12.7 mm - 25 mm (1/2" - 1") thick
 - 1 bag (40 kg) Portland cement Type 10
 - 136 kg (300 lb) concrete sand
 - 4 litres **DUREX CEMENT BOND**
 - 14 litres water

coverage:

5.5 m² at 12.7 mm (60 ft² at 1/2") thick

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- concrete topping over 25 mm (1") thick
 - 1 bag Portland cement Type 10
 - 59 kg (130 lb) concrete sand
 - 100 kg (220) lb pea gravel
 - 4 litres **DUREX CEMENT BOND**
 - 17 litres water

Cement mixes modified with **DUREX CEMENT BOND** can be mixed mechanically or by hand. Mix the **DUREX CEMENT BOND** with the materials in the proportions noted. The viscosity of the matrix as

desired can be adjusted by adding a small amount of water. Mix thoroughly until matrix is free of lumps. Do not over mix or mix with mixing paddles at speeds over 600 rpm as excessive air will be induced into the mix which will affect the long term performance of the mixture.

Let mixture stand for 5 to 10 minutes, then retemper and use. Discard all mixtures which begin to harden a second time.

CLEAN-UP:

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

STORAGE:

Store **DUREX CEMENT BOND** 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 CEMENT BOND is readily available in 1 litre and 4 litre containers, 18.9 litre pails and 45 gallon (205 litres) drums.

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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