

PRODUCT DESCRIPTION:

DUR-A-PATCH 100 is a two component polymer modified non-shrink structural repair mortar, mixed with **Durex Dur-A-Patch Liquid Additive**.

USES:

DUR-A-PATCH 100 is used for the repair of all types of concrete work. In addition to repairs to concrete floors, **DUR-A-PATCH 100** can also be used for vertical and overhead repair work.

ADVANTAGES:

DUR-A-PATCH 100 has been formulated to provide:

- ease of application and excellent workability.
- excellent quality control
- high compressive strength yet low shrinkage.
- high abrasion resistance
- superior bonding strength
- high flexural strength
- resistance to chloride penetration
- low moisture absorption

LIMITATIONS:

DUR-A-PATCH 100 is not recommended for use:

- when ambient, surface and material temperatures are below 5°C (41°F) during application and curing period

MIXING PROCEDURE:

DO NOT SUBSTITUTE NOR COMPENSATE **DUR-A-PATCH 100/DUREX Dur-A-Patch Liquid Additive** MIX WITH WATER OR OTHER ADDITIVES

Discard all materials which have begun to harden.

Mix **DUR-A-PATCH 100** with **Durex Dur-A-Patch Liquid Additive** in accordance with the following formula by weight:

DUR-A-PATCH 100	1 bag
Dur-A-Patch Liquid Additive	4 litres

Pour the **Durex Dur-A-Patch Liquid Additive** into an empty clean mixing container. While under slow mixing action add the **DUR-A-PATCH 100** in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use

TECHNICAL DATA

Physical Properties:

Pot life:	25 minutes @ 20°C
Initial set:	35 minutes @ 20°C
Final set:	90 minutes @ 20°C

Performance Characteristics:

TEST	METHOD	RESULTS
Compressive strength:	ASTM C-109-90	1 Day 12.5 MPa (1820 psi) 7 Days 34.1 MPa (4950 psi) 28 Days 50.1 MPa (7275 psi)
Shear bond adhesion:	ASTM C-882-87	9.30 MPa (1340 psi)
Absorption rate:	24 hr immersion	1.90% in water
Resistance to De-icing Salts:	ASTM C672	no scaling after 25 cycles
Shrinkage:	ASTM C157-80	1 Day 0.01% 2 Days 0.04% 7 Days 0.07% 28 Days 0.10%
Tensile strength:	ASTM C-190-85	5.8 MPa (850 psi) @ 28 days

APPROVED BY MINISTRY OF TRANSPORTATION OF ONTARIO (MTO)

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CONCRETE RESTORATION
CEMENT BASED CONCRETE REHABILITATION

excessive mixing speed.

Let mixed materials 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.

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.

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

Apply a soupy mixture, as a bonding agent, to the areas to be repaired, leaving no standing water. Trowel apply the repair material.

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 **DUR-A-PATCH 100** 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:

DUR-A-PATCH 100 is available in grey, in 22.7 kg (50 lb) bags.

COVERAGE:

One bag of **DUR-A-PATCH 100** mixed with 4 litres of **Durex Dur-A-Patch Liquid Additive** will yield approximately 22.5 litres - 27.0 litres (6 gal. - 7 gal.) of mix. Average coverage will be approximately 5 m² (50 ft²) coverage at 3 mm (1/8") 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

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