

Durex® Dur-A-Patch

Structural Non-Shrink Repair Mortar

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

Uses Durex® Dur-A-Patch 100 is used for the repair of all types of concrete work. In addition to repairs to concrete floors, Durex® Dur-A-Patch 100 can also be used for vertical and overhead repair work.

Advantages Durex® 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 Durex® Dur-A-Patch 100 is not recommended for use:

- When ambient, surface and material temperatures must be above 5°C (41°F) during application and curing period

TECHNICAL DATA

PHYSICAL PROPERTIES

Pot Life	25 minutes @ 20°C
Initial set	35 minutes @ 20°C
Final set	90 minutes @ 20°C
Coverage	Average coverage 5 m ² /bag (50 ft ² /bag) at 3 mm (1/8") thickness

	METHOD	RESULT
Compressive Strength	ASTM C109-90	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 C882-87	9.30 MPa (1340 psi)
Absorption Rate	24 hr immersion	1.90% in water
Resistance to De-Icing Salts	ASTM C762	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 C190-85	5.8 MPa (850 psi) " 28 days

Mixing Discard all materials which have begun to harden.

Procedure Mix Durex® Dur-A-Patch 100 with Durex® Dur-A-Patch Liquid Additive in accordance to the following formula by weight:

- Durex® Dur-A-Patch 100 1 bag
- Durex® Dur-A-Patch Liquid Additive 4 litres

Pour the Discard all materials which have begun to harden. Mix Durex® Dur-A-Patch Liquid Additive into an empty clean mixing container. While under slow mixing action add the Durex® Dur-A-Patch 100 in the required mixing proportions. Mix well until the mixture is free of lumps. Do not overmix or use 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. **DO NOT SUBSTITUTE NOR COMPENSATE DUREX® DUR-A-PATCH-100 OR DUREX® DUR-A-PATCH LIQUID ADDITIVE MIX WITH WATER OR OTHER ADDITIVES.**

Application	Remove all delaminated, scaled, and otherwise deteriorated concrete down to solid concrete. Clean 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. (Consult Durabond Products Limited for questionable substrates). 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 tool promptly after each use with clean water. Do not allow mixes to dry on tools.
Storage	Store Durex® Dur-A-Patch 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® Dur-A-Patch 100 is available in 22.7 Kg (50 lb) bags.
Health and Safety	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent MSDS sheet containing physical, environmental, toxic and other safety/materials handling data. For Industrial use only. Keep out of reach of children.
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 support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your sales representative.

DURabond

HEAD OFFICE
55 Underwriters Road
Scarborough, ON M1R 3B4
T 416.759.4474 F 416.759.4470

MISSISSAUGA
6178 Netherhart Road
Mississauga, ON L5T 1B7
T 905.565.9283 F 905.565.9365

EDMONTON
14345 120th Avenue
Edmonton, AB T5L 2R8
T 780.451.6364 F 780.453.9056

INFO@DURABOND.COM

WWW.DURABOND.COM

1.877.DURABOND (387.2266)

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