

# ARMORPATCH 100

## RESURFACE WORN, OLD AND SPALLED CONCRETE

### PRODUCT DESCRIPTION

**ARMORPATCH 100** is a polymer modified shrinkage compensated, fiber reinforced, high strength mortar specially formulated for concrete repairs in vertical and horizontal surfaces. It can be used in the following areas

- Interior and exterior
- Leveling and repair of horizontal concrete surfaces
- Parking & bridge decks
- Industrial floors

### BENEFITS

- Recommended for areas requiring moisture remediation
- Aesthetically nice self leveling and smooth finish
- Fiber reinforced to eliminate crack and increase strength
- Good corrosion inhibition property, therefore protects reinforcement
- Minimal shrinkage and outstanding resistance to crack
- Excellent bond strength
- High abrasion resistance

### TYPICAL APPLICATION

ARMORPATCH can be used for all structural concrete repairs such as:

- Interior and exterior concrete surfaces
- Repair of horizontal and vertical surfaces
- Repair concrete sidewalks, concrete spalling
- Industrial floors
- Parking lots and bridge decks

### SURFACE PREPARATION

Prepare concrete substrate in accordance with International Concrete Repair Institute (ICRI) Technical Guideline. Remove all unsound concrete and provide a profiled, porous surface. Substrate must be structurally sound, dust-free, and free of grease, oil, dirt, curing compounds, release agents, or any other surface or penetrated contaminants that will adversely affect bond. Pressure wash the surface with a commercial pressure washer (3000 psi, 4 GPM) (21MPa, 0.25 L/s) and allow to fully dry before application

**PRIMING:** in most instances priming will not be needed but for vertical surfaces and very porous concrete Apply one coat of ARMORLATEX to allow for good bonding and adhesive purpose.

### APPLICATION INSTRUCTION

**MIXING:** Pour 4.4 -4.6 litres of water into a clean plastic or metal bucket, pour 70% of ARMORPATCH 100 into the clean bucket of water, then mix with a power mixer at 400 RPM, after two minutes of mixing pour the rest of the material and mix until full homogeneity is achieved

### APPLICATION AND INSTALLATION

Pour the material on the area to be resurfaced using a hand trowel or spray gun, because of the self leveling property of ARMORPATCH 100 the material can easily be finished as desired, using either a trowel or a broom. The level of thickness will also be determined by the application need, but should be achieved in one application; the mixed material can be applied at a thickness between 3mm and 20 mm. If the mix hardens, it should be disposed, please do not attempt to remix or add water to hardened mix.





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CONCRETE REPAIR

### SPECIFICATION

ARMORPATCH 100 should be specified for all concrete surfaces requiring repairs and corrosion inhibition.

It is abrasion resistant and restores concrete surface to an aesthetically fine finish.

### SPECIFICATION

Setting time: 8-10 hrs	Working time: 10 - 15 mins
Compressive strength (N/mm <sup>2</sup> ) 1 day	30
Compressive strength (N/mm <sup>2</sup> ) 7 days	50
Compressive strength (N/mm <sup>2</sup> ) 28 days	60

### COVERAGE

Coverage at 1/16" (0.16cm) is approximately 8m<sup>2</sup>(90ft<sup>2</sup>)

### CLEANING AND HEALTH

Remove the excess mortar on tools with copious amount of water; if already dry you can remove through mechanical means. Also prolonged contact with skin may occur as it is the case with all cementitious based material, therefore safety gloves and glasses should be used when working.

### PACKAGING AND SHELF LIFE

ARMORPATCH 100 is packed in 20kg bags Store in a cold dry place. With proper storage material can be stored and used within 12 months.

### LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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