

ARMORPATCH 300

TWO COMPONENT WATER RESISTANT CONCRETE REPAIR MORTAR

PRODUCT DESCRIPTION

ARMORPATCH 300 is a two component, water resistant corrosion inhibiting, polymer modified shrinkage compensated, rapid setting, high strength mortar specially formulated for structural concrete repairs in vertical and horizontal surfaces. ARMORPATCH 300 has impressive water repellent and waterproofing properties and therefore suitable for areas requiring waterproofing.

ADVANTAGES

- Water repellent and waterproof
- A 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 protect reinforcements
- Minimal shrinkage and outstanding resistance to crack
- Excellent bond strength
- High abrasion resistance

TYPICAL APPLICATIONS

ARMORPATCH 300 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
- Parking lots and bridge decks
- Fast setting and curing, can be put to use in few hours (depending on temperature)
- Industrial floors

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 **ARMORPRIME 400** acrylic primer to allow for good bonding and adhesive purpose.

APPLICATION INSTRUCTION

MIXING : Pour 3.3 to 3.8 litres of water into a clean plastic or metal bucket , pour 70% of ARMORPATCH 300 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 300 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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SPECIFICATION

ARMORPATCH 300 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.

TECHNICAL DATA

ARMORPATCH 300	114	128
EN 13813 Class	CT-C25-F7	CT-C20-F5
Working Time @ 20°C	15 - 20 minutes	
Walk on hardness time @ 20°C	90 minutes	
At 3mm thickness ready to receive floorcoverings (Temperature dependent)	12 hours	24 hours
Compressive Strength N/mm ² (EN 13892-2)		
1 Day	> 8.0	> 10.0
7 Days	> 15.0	> 10.0
28 Days	> 25.0	> 20.0
Flexural Strength N/mm ² (EN 13892-2)		
1 Day	> 2.0	> 2.0
7 Days	> 5.0	> 4.0
28 Days	> 7.0	> 5.0
Consumption per mm thickness	2.12kg/m ²	2.12kg/m ²
Application thickness: Unfilled Filled	3 – 15mm up to 20mm	

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 300 is packed in 20 kg and 25kg 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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