

ARMORPATCH 200

TWO COMPONENT WATER RESISTANT CONCRETE REPAIR MORTAR

Product Description:

ARMORPATCH 200 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 200** has impressive water repellent and waterproofing properties and therefore suitable for areas requiring waterproofing.

Typical Applications:

ARMORPATCH 200 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

Advantages/Benefits:

- 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

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 200** 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 200** 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.

Specification :

ARMORPATCH 200 should be specified for all concrete surfaces requiring repairs and corrosion inhibition.

AMORPATCH 200 is abrasion resistant and restore concrete surface to an aesthetically fine finish.

Technical Data:

ARMORPATCH 200	I 14	I 28
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 7 Days 28 Days	> 8.0 > 15.0 > 25.0	>10.0 > 10.0 > 20.0
Flexural Strength N/mm ² (EN 13892-2) 1 Day 7 Days 28 Days	> 2.0 > 5.0 > 7.0	> 2.0 > 4.0 > 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 200 are 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.



ARMORSIL MANUFACTURING INCORPORATION

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