

ARMORFLO 200

HIGH PERFORMING SMOOTHENING SELF LEVELLING UNDERLAYMENT

Product Description:

ARMORFLO 200 is a self smoothing underlayment for medium to heavy duty industrial flooring installations applications such as warehouse, factory and industrial floors requiring durability and strength. It is designed for easy application on concrete floors over concrete floors as an underlayment for subsequent placement of floor coverings.

Typical Applications:

ARMORFLO 200 can be used for smoothing underlayment of the following areas:

- Industrial floor and warehouse
- Self leveling of interior and exterior areas before floor coverings
- Leveling of wood subfloors

Advantages/Benefits:

- Aesthetically nice self leveling and smooth finish
- Fast setting, can be worked on within 3 to four hours, depending on the temperature
- Excellent workability, can be poured or pumped
- Minimal shrinkage and outstanding resistance to crack
- Excellent bond strength
- High abrasion resistance
- Available in multiple colours

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: Apply one coat of **ARMORPRIME 400** acrylic primer to allow for good bonding and adhesive purpose, for a very porous concrete surface ensure that two coat of primer is applied to ensure surface is well saturated with the primer before application.

Application Instruction:

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

ARMORFLO 200 should be specified for factory floors, warehouses, hospitals etc and underlayment for floor coverings. It is particularly suitable for areas requiring hardwearing and durable flooring.

Technical Data:

Property	Typical Result	Test Method
Compressive Strength 1 day	20mpa	EN – 13892 – 2
Compressive Strength 7 days	25mpa	
Compressive Strength 28 days	35mpa	
Flexural Strength 1 day	3.45mpa	EN – 13892 – 2
Flexural strength 28days	6.9mpa	
Drying time	24 hours	ASTMC 191
Light traffic and application	24hours	
Application thickness	3mm – 10mm	

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:

ARMORFLO 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.



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