

ARMORFLO 300

WATER RESISTANT HEAVY DUTY SMOOTHENING SELF LEVELLING UNDERLAYMENT

Product Description:

ARMORFLO 300 is a water repellent, self-smoothing underlayment for 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. **ARMORFLO 300** has impressive water repellent and waterproofing properties and therefore most suitable for areas requiring vapor and moisture remediation.

Typical Applications:

ARMORFLO 300 can be used for smoothing underlayment of the following areas:

- Industrial floor and warehouse
- Self levelling of interior and exterior areas before floor coverings
- Levelling of wood subfloors

Advantages/Benefits:

- A Recommended for areas requiring moisture remediation
- Aesthetically nice self levelling and smooth finish
- Fast setting, can be worked on within 3 to 4 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 6 to 6.5 litres of water into a clean plastic or metal bucket , pour 70% of **ARMORFLO 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 **ARMORFLO 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.

Specification:

ARMORFLO 300 should be specified for factory floors, warehouses, hospitals etc and for floor underlayment coverings. It is particularly suitable for areas requiring hardwearing and durable flooring. ARMORSIL is always available to support and specification services to clients. Please contact our technical department for any specification request

Technical Data:

Property	Typical Result	Test Method
Compressive Strength	27mpa at 24 hours	EN – 13892 – 2
	62mpa at 28 days	modified
Flexural Strength	8mpa at 28 days	EN – 13892 – 2
Bond Strength	8.6mpa at 7 days	ASTMC 882
	13mpa at 28 days	modified
Set time	24 hours	ASTMC 191
Initial set time	4 hours	
Working time	30 minutes	
Application thickness	3mm – 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:

ARMORFLO 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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