

# ARMORFLO 100

## FIBER REINFORCED CONCRETE RESURFACER

### Product Description:

**ARMORFLO 100** is a fiber reinforced polymer modified concrete resurfacer, which is trowelable and sprayable. **ARMORFLO 100** is prepared by adding water and provides an aesthetically fresh appearance to old concrete surface, spalled concrete, salt damaged concrete and new concrete marred by rain.

### Typical Applications:

- **ARMORFLO 100** can be used for restoration of the following areas:
- Industrial floor resurfacing
- Car parks resurfacing
- Petroleum and Gas Station resurfacing
- Elevated slabs and every other concrete requiring resurfacing

### Advantages/Benefits:

- Polymer modified and Enhanced Bond
- Micro Silica Enhanced/ Low permeability
- Shrinkage Compensated/Low Rebound
- Highly Engineered/ Protects Embedded reinforcing Steel

### 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 5 to 5.5 litres of water into a clean plastic or metal bucket, pour 70% of **ARMORFLO 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 **ARMORFLO 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.

**Coverage:**

The coverage will depend on the level of thickness so desired, However for a 3mm thickness coverage can be between 4 to 5 square Metre.

**Technical Data:**

<b>Compressive Strength ASTM C109</b>	
1 day	13.8Mpa
7 days	20.7Mpa
28 days	34.5Mpa

**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 100 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



## **ARMORSIL MANUFACTURING INCORPORATION**

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