

## TECHFORCE 2K STRONG

FLEXIBLE, TWO-COMPONENT SEALING SLURRY

### DESCRIPTION

**TECHFORCE 2K STRONG** is a two component modified acrylic polymer based cementitious waterproof coating system, which on mixing and hardening provides an excellent water resistant barrier. It offers excellent resistance to both positive and negative water pressures.

### FEATURES / ADVANTAGES

- TECHFORCE 2K STRONG is an excellent waterproofing membrane.
- Excellent adhesion to substrate. Bonds to both porous and non-porous surface.
- Allows water vapour from the interiors of the substrate to come out i.e. breathable.
- It is non-toxic. Suitable for drinking water use.
- It is chloride free hence does not affect RCC.
- It gives a dry film thickness of 1mm thick which provides excellent anti carbonation property.
- It is resistant to atmospheric carbon dioxide and chloride ion diffusion.
- It has got water pressure resistance upto 70 meters. (7 bars) water column as per DIN 1048.

### TYPICAL APPLICATIONS

- Waterproofing membrane for water retaining structures.
- For cellars, terraces, bathrooms, walls for artificial lakes etc.
- Waterproofing in swimming pools, water tanks, terraces, sewage effluent tanks etc.
- For foundation and roof waterproofing.

### TYPICAL CHARACTERISTICS

- Nature : 2 pack system
- Part I : Cement grey powder- 2 parts
- Part II : White polymer liquid- 1 part
- Pot Life at 30°C : Approx. 1 hr. 45 minutes
- Mixed density : 1.70g/cc (brushable consistency)
- Adhesion to concrete : Excellent
- Tensile strength : 0.9 N/mm<sup>2</sup>
- Toxicity : Non toxic
- Crack bridging : Approx. 1mm

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### DIRECTIONS FOR USE

#### 1. SURFACE PREPARATION

The surface to be applied should be free from oil, grease and dirt etc. CHOKSEY'S MASTERKLEAN range of cleaning agents can be used for the purpose. All the potholes, crevices have to be filled up and leveled. For best performance damp the surface with clean water.

#### 2. MIXING

Mix Part I (Powder) gradually in Part II (Liquid) using a mechanical stirrer. Mixing should be done for about 3 minutes till it is homogenous and free from any lumps.

#### 3. APPLICATION

Apply using a short, stiff bristle brush or roller. It can be applied by trowel also. Care should be taken to see that more than 2.0 kg/m<sup>2</sup> (1mm thickness) thick layers are avoided, as higher thickness tends to provoke cracks in the system. Embed fiberglass mesh for better reinforcement on first coat immediately while the coat is wet. The second coat can be applied after 12 hours or after the previous coating has dried.

Application of TECHFORCE 2K STRONG has to be followed by a plaster or screed application especially when it is exposed to open traffic on roofs.

#### 4. CONSUMPTION / COVERAGE

i. For normal applications like } 2.0 kg /m<sup>2</sup>  
on terraces, balconies etc.

ii. For critical applications like } 2.5 to 4.0 kg /m<sup>2</sup>  
Swimming pools, water tanks etc.

iii. In single coat application the consumption should not exceed 2.0 kg/m<sup>2</sup>

#### 5. CURING

Cure application for 7 days @ 30°C or 14 days @ 20°C

### CLEANING OF TOOLS AND EQUIPMENT

TECHFORCE 2 K STRONG systems should be removed from the tools at the earliest before it hardens, by cleaning with water.

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### STORAGE & SHELF- LIFE

- It should be stored in dry conditions. Protect from rain, moisture and frost.
- Shelf life is 12 months from the date of manufacture.

### PACKING

15 kg & 25 kg packs

### HEALTH & SAFETY

- Contains Portland cement.
- Use hand gloves as material is alkaline in nature.
- Clean with plenty of water if any splashes occur on eyes.
- Seek medical attention immediately if swallowed, do not induce vomiting.

### DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential non performance.