

■ TECHFORCE GREY 7

Flexible cementitious waterproof coating



An ISO 9001-2000 Company

DESCRIPTION

TECHFORCE GREY 7 is a two component modified acrylic polymer based cementitious waterproof coating system, which on mixing and hardening provides excellent water resistant barrier. It offers excellent resistance to both positive and negative pressures.

FEATURES / ADVANTAGES

- TECHFORCE GREY 7 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

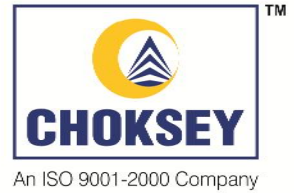
- Waterproofing membrane for water retaining structures and podiums.
- For Cellars, terraces, bathrooms, walls for artificial lakes etc.
- Waterproofing in swimming pools, water tanks, terraces, sewage effluent tanks etc.
- For foundation and roof waterproofing.

TYPICAL CHARACTERISTICS

- | | |
|------------------------|-----------------------------------|
| • Nature | : 2 pack system |
| • Part I | : Cement grey powder |
| • Part II | : White polymer liquid. |
| • Working time at 30 C | : Approx. 40 minutes |
| • Bonding Capacity | : Approx. 2.0 N/mm ² . |
| • Tensile strength | : 1.7 N/mm ² |
| • Crack extension | : Approx 10% |
| • Crack bridging | : Approx 1mm. |

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DIRECTIONS FOR USE

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.

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

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/m² (1mm thickness) 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 GREY 7 has to be followed by a plaster or screed application especially when it is exposed to open traffic on roofs.

CONSUMPTION / COVERAGE

1. For normal applications like on terraces, balconies etc. :1.5 to 2.0 kg /m²
2. For critical applications like Swimming pools, water tanks etc. :3.0 to 5.0 kg /m²
3. In single coat application the consumption should not exceed 2.0 kg/m²
4. 25 kg. Pack of TECHFORCE GREY 7 covers approximately 14.5 m² at 1mm thickness.

CURING

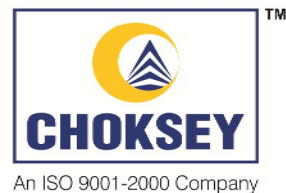
Cure application for 7 days @ 30°C or 14 days @ 20°C

CLEANING OF TOOLS AND EQUIPMENT

TECHFORCE GREY system should be removed from the tools at the earliest before it hardens, by cleaning with water.

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STORAGE

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

PACKING

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.