



DESCRIPTION

TECHFORCE M 3 is a good waterproofing system in which the ingress of moisture into a structure is prevented by flexible membrane coating formed by polymer modified cement hydration and polymer film formation.

The highly elastic nature of the membranes taking care of the stresses set up by temperature and resists the crack formation phenomenon. This can have a ability to over bridge the hairline cracks of size 0.5mm

TECHFORCE M 3 is a hydrate type flexible waterproofing material based on special synthetic resin dispersion and a blend of cement mixed with special sand and high strength polymers.

ADVANTAGES

- Excellent water resistance
- Semi flexibility
- Good abrasion resistance
- Excellent adhesion to concrete, Stone, brick, etc.
- It bridges hairline cracks
- Resistance to fungus and algal
- Ideally suitable for new building and for repair work on old masonry.

USES

- TECHFORCE M 3 can be used for coating of floors (industrial plants, parking areas, garages etc) for protection of terraces, balconies and concrete roads and bridges.
- TECHFORCE M 3 can be used for waterproofing of new and old buildings.
- TECHFORCE M 3 can be used to waterproof tanks, containers and water reservoirs, basements, bathrooms, roof etc.

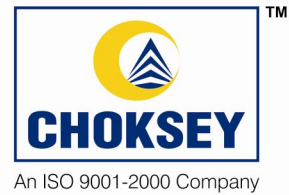
RECOMMENDED METHOD OF APPLICATION

SURFACE PREPARATION

The surface must be clean and free of dust, loose particles and other contaminants. Absorbent surfaces (concrete, renderings, and plaster) have to be pre-wetted with clean water. During application the surface has to be moist but free of puddles. A min temp of 5°C is essential.

TECHFORCE M 3

Elastomeric Cement mixed Waterproof Coating



MIXING

The TECHFORCE M 3 compound A to be added in a bucket and the compound B to be added slowly (The mixing ratio is 1:3), and stirred well to obtain a smooth lumps free consistent slurry. If necessary mechanical stirrer to be used. Mix only in small batches of one unit at a time which can be used within the pot lifetime.

The mixing of the two components will result in a elastic thixotropic and easily applicable compound, even to a vertical surface.

APPLICATION

Apply the well mixed TECHFORCE M 3 slurry with brush or broom onto the prepared surface in min two layers. If used on smooth, screed floors, application can be done also by notched trowel and then level with spiked roller. Do not apply more than 1.5mm per layer. The next layer can be applied as soon as the layer gets dried to walk down (wait for overnight). The tools should be cleaned with water before coating hardens

CURING:

Homogeneous hardening and high waterproofing are assured if TECHFORCE M 3 does not dry to quickly, therefore it should be protected after application against heavy wind and intense sunshine.

HARDENING TIME:

Curing and hardening depends on the temp. At 30 °C The TECHFORCE M 3 floor is walkable after 8 - 10 hrs and resist the mechanical stress after 3-4 days. The full hardening will require 7 8 days. After this time the coating will resist the permanent water pressure.

PROPERTIES:

Supply Form	
Component A	: Milky white liquid.
Compound B	: White / Grey powder
Mixing Ratio	: Comp A 1 part : comp B 3 Part
Toxicity	: Non-Toxic
UV Stability	: Good
Pot Life @ 30°C	: 30 - 40 min.
Coverage	: 10-15 sq feet / kg / 1mm thick coating
Packing	: 30kg
Shelf Life	: 12 months from the date of mfg