

Tarthane 1K

Waterproofings

Tarthane 1K is a single component, tar extended, moisture curing urethane elastomeric membrane for water proofing applications. **Tarthane 1K** conforms to ASTM C 836/898. **Tarthane 1K** cures to a tough, black coloured film with exceptional elasticity which allows for expansion and contraction over a wide range of temperatures. **Tarthane 1K** provides complete, seamless, water proofing membrane free from joints replacing asphalt systems and self adhesive asphalt membranes. **Tarthane 1K** is simple to apply by brush or roller, without addition of any thinner. It can be applied in multi coats to achieve higher DFT of around 1mm - 1.5mm.

Applications:

- Waterproofing applications between slabs, such as parking decks, roof decks.
- Water proofing of concrete roofs.
- Water proofing of exterior walls or foundations and basements.
- Water proofing of swimming pools.

Application:

- The concrete surface must be smooth, dry, firm and free of voids.
- Concrete should be cured for a minimum of 28 days.
- Primer : Though Tarthane 1K bonds very well to the concrete, a prime coat of FB 303 (moisture curing urethane) is preferred, preferably for porous substrates.
- Allow to cure for 5-6 hours.
- Membrane : Apply Tarthane 1K by brush or roller @ wet film thickness of 500 microns / coat.
- Allow to cure for 6-7 hours and then reapply.
- Individual coat should not be more than 500 microns.
- Curing: The curing of Tarthane 1K, being moisture curing, depends on the relative humidity prevailing in the atmosphere. When the RH falls below 50%, the curing will be very slow.

Typical physical properties:

Type	Aromatic MCU, tar enriched
Colour	Black
% Solids	90%
Elongation	600 - 700%
Low temperature flexibility	Excellent
Crack binding ability	Excellent
Theoretical Coverage	900 microns / litre / sq.mt.
Shore D Hardness	65 - 70
Cleaning	PUT 502
Shelf life	6 months in unopened container