

Tarthane 100 2K

Tarthane 100 2K is a **two component, tar extended polyurethane liquid applied elastomeric membrane** for water proofing applications. Tarthane 100 2K conforms to ASTM C 836 / 898. Tarthane 100 2K cures to a tough, black coloured film with exceptional elasticity which allows for expansion and contraction over a wide range of temperatures. Tarthane 100 2K provides complete, seamless, water proofing membrane, free from joints replacing asphalt systems and self adhesive asphalt membranes. Tarthane 100 2K 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.

Tarthane 100 2K has excellent adhesion to concrete substrates and thus water cannot travel beneath the membrane even if the coating is accidentally punctured.

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 100 2K bonds very well to the concrete, a prime coat of Terraprime (moisture curing urethane) is preferred, preferably for porous substrates.
- Allow to cure for 5-6 hours.
- Membrane: Mix resin and hardener in 1.5 : 1 ratio. Agitate the mixture slowly and apply.
- Allow to cure for 24 hours.

Typical physical properties:

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| Type | Aromatic PU, tar enriched |
| Colour | Black |
| Solids % | 90 - 92% |
| Mixing ratio | 1.5 : 1 by volume |
| Pot life | 30 minutes |
| Elongation | 250 - 300% |
| Low temperature flexibility | Excellent |
| Crack binding ability | Excellent |
| Shore A hardness | 45 - 55 |
| Mixed density | 1.20 - 1.30 gm / cc |
| Theoretical Coverage | 900 microns / litre / sq. mt |
| Cleaning | PUT 502 |
| Shelf life | 6 months in the unopened container |