

TIKI AQUASEAL PU-T2K



2K Elastomeric Modified PU Waterproofing Coating

DESCRIPTION

TIKI AQUASEAL PU-T2K is ready to use two components solvent free tar extended polyurethane based high build elastomeric liquid waterproofing membrane coating.

TIKI AQUASEAL PU-T2K conforms to ASTM C836 and ASTM C898 standards.

ADVANTAGES

- Good adhesion to substrates.
- Elastomeric - high crack bridging ability.
- Good resistance to water, salts, seawater, mild acids, alkalis, and saline atmosphere.
- Curing does not depend on humidity as in 1K moisture cured system.

USES

TIKI AQUASEAL PU-T2K is ideal for waterproofing:

- Terraces, roof slabs, parking decks, balconies, porticos.
- Old and new surfaces, both horizontal and vertical.
- Structures exposed to marine or saline atmosphere.
- Structures with complex geometry like dome, arches, silos, parabolic, chimneys, corrugated sheets, etc.
- Swimming pools.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surfaces must be sound, clean, dry, and free from cracks, honeycombs and undulations, oil, grease, laitance and loose particles.

Existing coating should be roughened enough by sanding.

New concrete should be 28 days with moisture content <4%.

SURFACE PRIMING

Apply polyurethane based clear primer **TIKI PRIME PU** @ 8 to 10 m² per ltr., on well prepared substrate, covering the entire area uniformly (coverage may vary depending upon the nature and texture of substrate). Allow the primer to dry. On very absorbent or porous surface, it is necessary to apply second coat of primer.

APPLICATION

The resin and hardener component of **TIKI AQUASEAL PU-T2K** is gradually mixed in ratio of 1.5:1 by volume to obtain homogeneous mix. The mix is then applied by brush in two coats @1 m²/litre/coat, the second coat applied perpendicular to dried first coat, while maintaining a gap of 6 to 8 hours between the coats. Allow the system to cure for 24 to 48 hours.

APPLICATION DATA

Mixing Ratio (Resin : Hardener)	1.5 : 1 by volume
Colour	Black
Solids by Weight	100%
Theoretical Coverage @ 1mm d.f.t	1 m ² /litre/coat

PROPERTIES OF APPLIED PRODUCT

Properties	Values	Test Standard
Adhesion (Pull Off)	3 MPa	ASTM D4541
Elongation at Break	>250%	ASTM D638
Water Absorption	<0.5%	ASTM D570
Low Temperature Flexibility	Passes	ASTM C711
Crack Bridgeability	Passes	ASTM C836
Shore A Hardness	>65	ASTM D2240
Vapour Permeability	0.02 gm/hr/m ²	ASTM E96
Tear Strength	>6 KN/m	ASTM D624

CLEANING

Immediately after application of **TIKI AQUASEAL PU-T2K**, use suitable solvent for cleaning application tools.

SUPPLY

TIKI AQUASEAL PU-T2K is supplied in 5 and 20 litres pack. It has a shelf life of 6 months when stored under the covered shed in sealed condition.

STORAGE

TIKI AQUASEAL PU-T2K must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight, and children.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **TIKI AQUASEAL PU-T2K**.

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