

**FEATURES**

: TOA PU Waterproof is an elastic waterproofing membrane, single component of water based polyurethane. 100% waterproofing, highly flexible, elongation up to 800%, good UV resistance, harsh weather tolerance and abrasion resistance from traffic. Used to prevent leakage, solve cracks on concrete caused by rapid change of temperature.

USES

: TOA PU Waterproof is designed for waterproofing of;

- Concrete roof deck
- Terraces, balconies and wet area
- Asbestos roof tile

ADVANTAGES

: TOA PU Waterproof has a character of;

- one component pure polyurethane.
- 100% proof seamless waterproof layer.
- Highly elastic, elongation up to 800%.
- UV resistance, harsh weather tolerance.
- Can be used for internal & external.

TECHNICAL INFORMATION

Color	: White, Grey, Green
Density @ 25 °C	: 1.30 – 1.34 kg / L
Solid Content	: 60.0 – 63.0 %
pH @ 25 °C	: 8.00 – 8.50
Viscosity @ 25 °C	: 15,000 – 20,000 Cps
Elongation (ASTM D 412)	: > 800 %
Tensile Strength (ASTM D 412)	: > 4.5 MPa
Hardness, Shore A (ASTM C2240)	: > 85
Chemical Resistance (ASTM D1308)	: Not changed
Initial Surface Absorption (BS1881 Part 208:1996)	: 0 ml / (m ² /s)



APPLICATION SYSTEM

Surface Preparation

- The surface must be cleaned from dust, cement laitance and oil grease.
- In case of mold and algae, brush and clean with TOA 113 Microkill then leave it dry before coating with TOA PU Waterproof.
- Deformed paint or coating must be thoroughly cleaned before application.
- Fill all cracks wide with TOA Polyurethane Sealant then leave it dry before coating with TOA PU Waterproof.
- Repair concrete crumbling or big cracks on surfaces with TOA 112 Super Bond prior to coating.

Application

- Stir well with low speed mixer before use, especially tinted.
- If the Roof slab, apply TOA PU Waterproof 0.3 kg/m^2 , mix with clean water in the ratio of 3 : 1 (water need 0.1 kg./m^2) and apply as the primary coat, leave it dry for 1 - 2 hours approximately.
- Apply 1st coat of TOA PU Waterproof (do not add water) at a rate of 0.6 kg/m^2 (dry film thickness of 0.35 mm.)
- Reinforce with TOA Fiber Mesh to improve adhesion and prevent cracks after applying 1st coat immediately and press against the surface.
- Apply 2nd coat (do not add water) at a rate of 0.6 kg / m^2 , leave to dry 2 - 4 hours in each coat.
- Apply 3rd coat (do not add water) at a rate of 0.5 kg / m^2 , leave to fully cure after 7 days.

Recommendation

- TOA PU Waterproof should not be applied to new concrete less than 28 days old and other cementitious surfaces less than 7 days old.
- For areas expected to be cracked, the corner between floor and wall should be applied.
- Do not use TOA PU Waterproof while raining.
- TOA PU Waterproof gets fully resistance properties after 7 days.
- TOA PU Waterproof uses for waterproofing for all horizontal (roof deck) or vertical masonry surfaces not suitable for long term water ponding (water tank).
- Wash all tools immediately after use with water.

**USAGE RATE**

2.0 kgs / 1 sq.m. (primer and 3 top coats) at dry film thickness of 1 mm.

HANDLING AND STORAGE**Storage**

: Keep all containers well closed. Keep in a dry cool place.

Shelf life

: 1 year from date of manufacture in original packing

PACKAGING

: 4 kgs., 20 kgs.container

HEALTH AND SAFETY

: Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

: This information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.