

TOA MULTIPURPOSE WATERPROOF

DESCRIPTION

TOA MULTIPURPOSE WATERPROOF is the special waterproofing coating made from Styrene Acrylic, for mixing with cement and applied German waterproofing technology for water permeability from outside while moisture inside the wall could vapor easily through gaps between particles. Effective waterproofing and increasing durability for concrete structures, cement surfaces.

TOA MULTIPURPOSE WATERPROOF is different from other common waterproofing coatings with remarkable features:

- * Double waterproofing effect
- * For interior & exterior
- * Alkali and fungus resistance
- * Easily vapor-permeable film.

TYPICAL USES

TOA MULTIPURPOSE WATERPROOF is used for waterproofing on concrete and cement surfaces such as exterior wall, water tank, terrace, floor, basement, toilet floor. Besides, it is suitable for waterproofing for wall surface before applying finishing paint.

PHYSICAL PROPERTIES

- **Components:** Acrylic, pigments, additives & water
- **Color:** White
- **Finish:** Matt
- **Solids by volume (%):** 50 ± 2
- **Theoretical coverage:** 4 – 5 m²/kg/coat (after mixing with cement)
Actual surface coverage will be depended on the spreading of paint film ability, dry film thickness, surface irregularities, technique and wastage during painting.
- **Volatile Organic Compound (VOCs):** ≤ 50 g/L
- **The drying time, Relative Humidity (RH) 50%**
 - **Substrate temperature** 30°C
 - **Surface (touch) dry** 0.5h
 - **Hard dry** 7 days
 - **Painting interval, minimum** 5h – 7h

The actual drying time and painting interval time may be longer or shorter, depending on the ambient temperature, film thickness, ventilation, humidity, number of paint coatings, etc.

APPLICATION INSTRUCTION

▪ SURFACE PREPARATION

New surface

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Let the concrete, cement plaster and mortar must be cured at least 28 days in ambient condition (average temperature is 25°C -30°C, relative humidity <75%), the surface moisture is not exceed 16% (specialized measuring testing equipment). pH value is about 6-9.

Remove all dust, grease, wax, laitance, chalking and others contamination from the surface by specialized machine as: grinding, sanding, vacuum cleaner, high pressure water jet and proper cleanness.

Old surface

Remove all dust, fungus, algae, loose old paint or others contamination from the surface by specialized machine as: grinding, sanding, vacuum cleaner, high pressure water jet and proper cleanness.

Then, treat the areas attacked by fungus, algae with proper chemicals.

Wash the surface if required, let it fully dry, the substrate moisture must be lower than 16% (specialized measuring testing equipment)

Repair the damaged area. Cracks bigger than 0.1mm must be fixed and make smooth by plasters.

▪ APPLICATION

Application tools: Brush, roller

Film thickness:

	Min	Standard	Max
- Dry film thickness:	100µm	125µm	150µm
- Wet film thickness:	200µm	250µm	300µm

Film thickness will vary and is calculated as average.

Mixing:

1. Prepare clean water, Portland cement PCB40 and TOA MULTIPURPOSE WATERPROOF as following mixing ratio:

1 kg of cement : 0,5 kg of water : 1kg of TOA MULTIPURPOSE WATERPROOF

2. Mix cement with clean water, stir well until no lumps, then mix with TOA MULTIPURPOSE WATERPROOF and stir until homogeneous.

Application:

1. Stir well before use. Apply 2 - 3 coats by brush or roller, painting interval is 5 - 7 hours.

2. Keep the remaining of TOA MULTIPURPOSE WATERPROOF (unmixed) in a tightly closed container.

3. If leaving over 1 hour, should stir the mixture again before using.

4. Leave the surface coated by TOA MULTIPURPOSE WATERPROOF 1 - 2 days before applying the top coat. TOA MULTIPURPOSE WATERPROOF gets full curing after 7 days.

Notes: After mixing, TOA MULTIPURPOSE WATERPROOF must be used within 2 hours.

5. Clean tools with water immediately after using.

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STORAGE & HANDLING

Store in a dry, cool, good ventilation area, shaded area. Keep out of reach of children. Storage temperature about 25°C - 35°C.

Stir well before use and once opened, entire contents should be used.

Apply when temperature is from 10°C to 35°C and relative humidity <75%. Surface temperature must be 3°C higher than the dew point.

HEALTH AND SAFETY

Please do not handle until all safety precautions have been read and understood.

Keep away from heat, sparks, open flame, hot surface. No smoking.

Wear protective gloves, respirator, eye protection, protective clothing.

Avoid contact with skin, eyes or ingestion. Go right to the nearest health center for help in case of ingesting paint or paint contacts with eyes.

Avoid release to the environment. Treat discarded paint according to environmental law.

See more guidelines in the Safety Data Sheet.

PACKING SIZE

20 kg; 4 kg; 1 kg

DISCLAIMER

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

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