

DESCRIPTION

TOA FLOORSEAL is the special waterproofing made from Styrene Acrylic and Silicone. When mixing with cement, the product provides effective waterproofing for horizontal substrates such as: concrete, cement, etc.

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

- * Effective waterproofing.
- * For interior & exterior
- * Very good adhesion on firm substrates
- * Easy application
- * Quick drying
- * Sealing static hair-line cracks which is lower than 0.1mm
- * Very low VOC
- * No added Lead, Mercury and formaldehyde.

TYPICAL USES

TOA FLOORSEAL is used for waterproofing on horizontally new and old concrete, cementitious substrates such as floor, terrace, basement, toilet floor, etc.

PHYSICAL PROPERTIES

- **Components:** Styrene Acrylic, pigments, additives & water
- **Color:** White
- **Finish:** Matt
- **Solids by volume (%):** 70 ± 2
- **Theoretical coverage:** 5 – 7 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.

Technical Data Sheet

APPLICATION INSTRUCTION

▪ SURFACE PREPARATION

New concrete and cementitious surfaces 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. No flaking.

Repair the damaged area. Any cracks must be fixed and make smooth by plasters. Absorbable surfaces need to be pre-wetted properly.

▪ APPLICATION

Application tools: Brush, roller

Film thickness:

	Min	Standard	Max
- Dry film thickness:	100µm	125µm	150µm
- Wet film thickness:	140µm	180µm	215µm

Film thickness will vary and is calculated as average.

Mixing:

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

1 kg of cement : 0,5 kg of water : 1kg of TOA FLOORSEAL

2. Mix cement with clean water, stir well until no lumps, then mix with TOA FLOORSEAL 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. If leaving over 30 min, should stir the mixture again before using

3. After mixing, the mixture must be used within 2 hours

4. Clean tools with water immediately after using.

5. Dry film cures fully after 7 days

6. Keep the remaining of TOA FLOORSEAL (unmixed) in a tightly closed container.

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.

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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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