



## TOA LATEX AGENT

### Concrete bonding and Waterproofing admixture

#### DESCRIPTION

**TOA LATEX AGENT** is a liquid bonding latex based on a styrene-butadiene emulsion used for adding to cement mortar to improve adhesion and highly waterproof properties. Specialize used to bonding agent between old and new concrete surfaces.

No added APEO, formaldehyde, mercury, lead and low VOC.

#### TYPICAL USES

**TOA LATEX AGENT** is suitable for repairing damaged concrete or levelling the substrate. This product is used to increase the qualities of cement mortar such as: concrete repair mortar, masonry mortar, tile fixing mortar, thin patching mortar, floor screeds.

#### PROPERTIES

Reduce shrinkage and cracks.

Special chemical agent for strengthening adhesion of old and new concrete.

Increase chemical and abrasion resistance.

Excellent water resistance.

Suitable for cement mortar layers in contact with residential water.

#### PHYSICAL PROPERTIES

- **Color:** White milky liquid
- **Density (kg/l):** 1.025 ± 0.025
- **pH:** 8.50 ± 1.0

#### APPLICATION INSTRUCTION

##### ▪ SURFACE PREPARATION

Substrate must be sound, free of loose or weak particles, dust and dirt.

Oil and wax containing layers, as well as laitance must be completely removed.

Surface needs to pre-wetted properly until saturated, but do not allow water to stagnate during application.

In case of mold and algae, brush and clean with TOA Microkill 113.

# Technical Data Sheet

## ▪ APPLICATION METHOD

### 1. Cement Bonding

Mix TOA Latex Agent : clean water : cement in the ratio 1:1:4 (by weight) to be used as bonding agent for concrete repair and between new and old concrete surfaces.

### 2. Waterproofing Agent

Mix (by weight) TOA Latex Agent : clean water by ratio 1:3 (1) with a mixture of cement : sand by ratio 1:3 (2). Pour (2) in (1) with proper amount and mixing until homogenous for application.

### 3. Bonding old and new concrete and tiles laying.

Usage	TOA Latex Agent	Water	Cement	Sand
Bonding old and new concrete	0.25L	0.25L	1.0 Kg	1.0 Kg
Tiles laying	0.25L	0.25L	1.0 Kg	2.0 Kg

Usage amount: As specified in the table above is for the area of 1sq. meter per 1 mm. thick

### 4. Repairing or smoothing surface or waterproofing

Usage	TOA Latex Agent	Water	Cement	Sand
Concrete Repair	1.5L	1.5L	6.0 Kg	12.0 Kg
Chống thấm	1.0L	2.0L	6.0 kg	12.0 Kg

Usage amount: For the area of 1sq. meter, plaster each layer roughly 10-20 mm. thick.

## ▪ NOTE:

Do not use TOA Latex Agent as a bonding coat without adding cement and sand.

When the plastering is completed, proper curing method is needed.

Multi-layers always work wet on wet.

Clean tools with clean water after applying.

## STORAGE & HANDLING

The product must be stored properly in accordance with national regulations. In a dry, well ventilated cool condition.

Keep out of reach of children.

# Technical Data Sheet

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## 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

2 liter; 5 liter; 25 liter

## 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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