

## TOA WALL MASTIC EXTERIOR

### DESCRIPTION

**TOA WALL MASTIC EXTERIOR** is exterior wall putty used for surfaces of cement wall ceiling, concrete, which need to be smooth before applying sealer or topcoats. It's suitable for all kinds of exterior emulsion paints. Non-flaking, non-cracking. Long lasting durability and stand up to severe weather condition.

### TYPICAL USES

**TOA WALL MASTIC EXTERIOR** is used for repairing to surface defects smoothing on concrete, brick and block works etc. before applying paints.

### PHYSICAL PROPERTIES

· <b>Components:</b>	Cement, filler, polymer, additive
· <b>Color:</b>	White
· <b>Theoretical coverage:</b>	1.2 - 1.3 kg/m <sup>2</sup> (depends on substrate surface)
· <b>Water retention:</b>	>/= 98% (According TCVN 7239)
· <b>Hardness of surface after 7 days:</b>	>/= 0.12 (According TCVN 7239)
· <b>Fineness test (retained content on sieve 0.09 mm):</b>	</= 3% (According TCVN 4030)
· <b>Setting time:</b>	(According to TCVN 6017)
○ <b>Start</b>	No earlier than 110 mins
○ <b>Finish</b>	No later than 450 mins
· <b>Adhesion strength:</b>	(According to TCVN 7239)
○ <b>Standard condition</b>	>/= 0.45 MPa
○ <b>After soaking 72 hours</b>	>/= 0.3 MPa
○ <b>After heat shocking test</b>	>/= 0.3 MPa

### APPLICATION INSTRUCTION

#### ▪ SURFACE PREPARATION

##### *New surface*

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 cleanliness.

Apply 2 coats TOA WALL MASTIC EXTERIOR for smooth surface.

##### *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 cleanliness.

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

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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 TOA WALL MASTIC EXTERIOR.

Apply 1 coat of premium multipurpose primer - TOA HYDRO QUICK PRIMER for chalky or powdery surface after making surface clean.

## ▪ APPLICATION

**Application tools:** Trowel or putty knife

**Mixing:** Use about 14 - 16 litre of clean water for a 40 kg bag of putty. Add slowly putty into water to avoid lumping. Mix thoroughly the mixture for about 7 - 10 mins then mix well again before application.

**Application:** Apply the first layer of approx. 1 mm thickness by using trowel or putty knife to make a smooth layer.  
After 1 - 2 hours, apply the second layer with the same thickness as the first  
Let the second layer dry in 1 day, smooth surface with sanding paper  
After sanding, use a broom to clean the surface from dust, roll over the surface by wet towel or absorbent roller and then waiting in 1-2 hours before applying.

**Notice:** Do not plaster over 2 mm thickness  
Do not apply when surface temperature is above 40°C  
On dry wall and highly absorbent surface, need to wet surface and reduce surface temperature before applying.  
For good finishing, should use recommended paint systems and application instruction from TOA Paint Vietnam Co., LTD.

**Cleaning:** Clean equipment with water immediately after use.

## CERTIFICATES

## 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.

Ensure that the right primer is used. Should use putty and let it thoroughly cure before painting.

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

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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

40 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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