



# TOA WATERBLOCK COLOR

## Color Waterproofing

### DESCRIPTION

**TOA WATERBLOCK COLOR** is one-component water based product produced from acrylic copolymer to be used for protecting exterior vertical walls against water penetration. No mixing with cement when application.

With Hydro Block Power technology which excellent waterproofing and sealing small cracks because improve elasticity of the paint film. Good adhesion and no peeling off. Effective alkali resistance, anti- fungus and algae.

Plenty of colors from tinting machine. Easy to apply.

This is the safe paint for health since Lead, Mercury and Formaldehyde aren't used in manufacturing process.

### TYPICAL USES

**TOA WATERBLOCK COLOR** is suitable to apply on new and previously painted vertical surfaces such as concrete, mortar, cement plaster, brick, etc. for exterior waterproofing.

### PHYSICAL PROPERTIES

- **Components:** Acrylic, pigments, additives & water
- **Color:** Refer to catalogue and TCW fan-deck
- **Finish:** Sheen
- **Solids by volume (%):** 44 ± 2
- **Theoretical coverage:** 6.3 – 7.3 m<sup>2</sup>/liter/coat  
*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%**

○ <b>Substrate temperature</b>	20°C	30°C	35°C
○ <b>Surface (touch) dry</b>	1h	0.5h	0.3h
○ <b>Hard dry</b>	6h	4h	3h
○ <b>Painting interval, minimum</b>	4h	2h	1.5h

*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.*

### RECOMMENDED PAINT SYSTEM

PAINT SYSTEM	PRODUCT	NUMBER OF COAT(S)
Putty	Not used	
Primer	Not used	
Topcoat	<b>TOA WATERBLOCK COLOR</b>	2

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## 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 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.

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

### ▪ APPLICATION

**Application tools:** Brush, roller, conventional spray

Guiding data for airless spray

- **Nozzle tip size** : 0.021 – 0.027"
- **Spray angle degrees** : 65 – 80°
- **Pressure at nozzle** : 140 – 190 Kg/cm<sup>2</sup> (2.000-2.600 Psi)

**Film thickness:**

	Min	Standard	Max
- <b>Dry film thickness:</b>	60µm	65µm	70µm
- <b>Wet film thickness:</b>	135µm	150µm	160µm

*Film thickness will vary and is calculated as average.*

**Dilution:** The paint is ready to use after proper stirring until homogeneous.

## 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.

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.

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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

20 kg; 6 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.

### TOA PAINT VIETNAM CO.,LTD

Factory: Lot L2,3; Road No.2, Tan Dong Hiep A IP,  
Di An city, Binh Duong province  
Tel: 0274 3775 678 – 3775004      Fax: 0274 3775005  
Website : [www.toagroup.com.vn](http://www.toagroup.com.vn)

### OFFICE

Flat 8, Room 8.5, E-Town 3 Building,  
364 Cong Hoa street, ward 13, Tan Binh  
Ho Chi Minh city  
Tel: 028 38131999      Fax: 028 38131113