



TOA HYDRO QUICK PRIMER

Premium multipurpose primer

DESCRIPTION

TOA HYDRO QUICK PRIMER is a special primer made from Styrene Acrylic that no added lead, mercury in the formula with the features of excellent adhesion, effective alkali resistance and efflorescence resistance.

TYPICAL USES

TOA HYDRO QUICK PRIMER is especially designed for new masonry surfaces dry after 3 days in normal condition; or old surface, chalking or poor adhesion surfaces where is attacked by alkali, water and efflorescence help improve alkali and water resistance ability.

Product is suitable for both interior and exterior.

PHYSICAL PROPERTIES

- **Components:** Styrene Acrylic, Pigments, additives & water
- **Color:** White
- **Solids by volume:** 41 ± 2
- **Theoretical coverage:** 10.3 -13.7 m²/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%

○ Substrate temperature	20°C	30°C	35°C
○ Surface (touch) dry	1h	0.5h	0.3h
○ Hard dry	6h	4h	3h
○ Painting interval, minimum	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)
Primer	TOA HYDRO QUICK PRIMER	1
Topcoat	TOA PAINT INTERIOR / EXTERIOR	2

APPLICATION INSTRUCTION

▪ SURFACE PREPARATION

New surface:

The surface dry after 3 days in normal condition, the substrate moisture is lower than 30% and pH is lower than 11 (specialized measuring testing equipment).

Technical Data Sheet

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 30% (specialized measuring testing equipment)

The damaged areas, cracks must be repaired and make smooth by proper materials.

▪ APPLICATION METHOD

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/cm² (2.000-2.600 Psi)

Film thickness:

	Min	Standard	Max
- Dry film thickness:	30µm	35µm	40µm
- Wet film thickness:	73µm	85µm	98µm

Film thickness will vary and is calculated as average

Dilution:

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

If thinning is required, clean water may be added up to a maximum of 5%.

CERTIFICATES

Green Label No. 032-246-3946 - Singapore Environment Council

Conformity Standard certified: TCVN 8652:2012 – National standards on wall emulsion paints - specifications

Conformity Regulation certified: QCVN 08:2020/BCT - National technical regulation on the limits of lead content in paints



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.

Technical Data Sheet

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

18 liter; 5 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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