



SUPERSHIELD SUPER SEALER

Ultra-premium exterior sealer

DESCRIPTION

SUPERSHIELD SUPER SEALER is a special sealer 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

SUPERSHIELD SUPER SEALER is suitable for new and previously painted exterior masonry surface such as concrete, mortar, cement plaster, brick, gypsum board, light cement board, etc.; especially designed for new masonry surface where is attacked by alkali, water and efflorescence.

PHYSICAL PROPERTIES

- **Components:** Styrene Acrylic, pigments, additives & water.
- **Color:** White
- **Solids by volume (%):** 36 ± 2
- **Theoretical coverage:** 9.0 – 12.0 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): ≤ 65 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) |
|--------------|--|-------------------|
| Putty | TOA PRO PUTTY | 2 |
| Primer | SUPERSHIELD SUPER SEALER | 1 |
| Topcoat | TOA 7IN1 BONG or: SUPERSHIELD Bong mo / Sieu bong or: SUPERSHIELD DURACLEAN A+ Bong mo | 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.

Apply 2 coats TOA PRO PUTTY 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 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 by TOA PRO PUTTY.

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

▪ APPLICATION METHOD

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: | 83µm | 97µm | 111µm |

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. 032-246-3514 - 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.

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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 sealer 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 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.

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

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