

FEATURES

TOA FIBERCEMENT SHIELD is waterbase acrylic emulsion paint for exterior surface. It composes of premium grade acrylic copolymer, high durable pigments and special additives. The properties of this product are self-cleaning, excellent weathering resistance, good waterproof, anti-fungi, high flexibility, good adhesion and good yellowing resistance.

TECHNICAL INFORMATION

Type	: ACRYLIC EMULSION
Color	: Wide range of colors. Please ask for catalog or fandeck.
Film appearance	: SEMI-GLOSS
Solid by volume	68.0 ± 2.0 %
Solid by weight	53.0 ± 2.0 %
Flash point	- °C
Volatile organic compounds (VOCs)	27.6064 gram / liter
Wet film thickness	100 microns
Dry film thickness	50-60 microns
Theoretical coverage.	35-40 sq.m. / gallon / coat

Remark - Actual Surface coverage will depend on surface irregularities, Mixing, Application Condition method and technique; as well as the structure and dimensions of the object to be coated.

Touch dry (25-30°C)	30-40 minutes.
Recoat dry (25-30°C)	1 hours.
Full cure (25-30°C)	1 days.

REFERENCE STANDARD

: School of Energy, Environment and Materials, King Mongkut's University of Technology Thonburi.

APPLICATION

Tools	: Roller, Brush
Thinner No.	: Clean Water
Dilution (%)	: 5 – 10% by volume

APPLICATION SYSTEM

Surface Preparation

- New surface**
- : TOA 301 Acrylic Sealent or TOA Acrylic Filler is used to repair all cracks and holes.
 - : Use TOA Abrasive Paper to sand the fibercement surface until smooth.
 - : The surfaces must be clean and free of dirt, grease, oil, wax, salt and other contaminants.
- Old surface**
- : The surfaces must be clean and free of dirt, wax, salt, old paint and other contaminants.
 - : Chalky surfaces or loose material must be removed by stiff brush.
 - : TOA113 Microkill is used to get rid of algae and fungi that left on the surfaces.
 - : The surfaces must be clean with suitable cleansing solution and water then rinse thoroughly with fresh water and allow to fully dry.
 - : TOA 301 Acrylic Sealent or TOA Acrylic Filler is used to repair all cracks and rough surfaces.

Coating system

- Primer**
- : Apply by brush or roller with **TOA Fibercement Primer#T1000** 1 coat or **TOA Fibercement Shield Primer#FP001** or **FP002** 1 coat.
- Topcoat**
- : Apply by brush or roller with **TOA Fibercement shield** at least 2 coat.



Recommendation	: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure correct drying.
HANDLING AND STORAGE	
Storage condition	: The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.
Shelf life	: 5 years. (at 25-30°C from manufacturing date)
HEALTH AND SAFETY	: Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. : For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.
DISCLAIMER	: The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.