



FEATURES

SuperShield is an ultrapremium grade , 100% acrylic emulsion paint, the exclusive unique acrylic technology, copyright only TOA, significantly feature of special polymer and special pigment , they give excellent adhesion performance , peeling protection, dirt pick up resistance , and highest reflectance on most every surface. thus it is excellent self-cleaning.

Titanium Triple Protection technology enhances absolute surface protection and resistance performance with 15-year warranty. It can resist alkaline cement in severe weather conditions including fungus and algae. Moreover, there is no lead and mercury contained.

TECHNICAL INFORMATION

Type	100% Pure Acrylic Emulsion Paint	
Color	Wide range of colors. Please refer to colour card.	
Film appearance	Semi-Gloss	
Solid by volume	34-36	%
Solid by weight	49-51	%
Flash point	N/A	°C
Wet film thickness	100-110	microns
Dry film thickness	35-40	microns
Theoretical coverage.	33-38	sq.meter / 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	minutes
Recoat dry (25-30°C)	2	hours
Full cure (25-30°C)	7	days

REFERENCE STANDARD

TIS no. 2321-2564 : Weather resistant emulsion paints
 TIS no. 2514-2564 : Solar heat reductive emulsions paints
 Green Label Thailand TGL-4-R4-14
 TREES
 MIT Certificate
 Energy saving label no.5
 LEED V4 & 4.1 VOC Content
 - SCAQMD Rule 1113
 - CARB 2007, 2019 - SCM For Architectural Paint
 TOA Green Certified

APPLICATION

Tools	Roller, Brush, Spray	
Diluent	Clean Water	
Dilution (%)	10-15	% (roller and brush)
	10-20	% (spray)

The dilution could be done depends on the variation of temperature and humidity atmosphere.
 The given figure is the average data from actual use.
 (Clean the equipment with water immediately after use)

APPLICATION SYSTEM

Surface Preparation

New surface	Substrate must be completely cured and dried (~ 1 month) free from oil, grease, mildew, from release agents and foreign matter or measure moisture which should be less than 14% on the surface with protimeter mini. If any crack, it should be repaired on the surface before applying
Old surface	Powdery and chalky surface must be scrubbed and cleaned with water. Measure moisture which should be less than 14% on the surface with protimeter mini. Fungus and mildew growth must be cleaned off with water. Leave to dry for 1-2 days. Apply TOA 113 Microkill copiously by using brush or roller then leave to dry for at least 3 hrs. without rinsing. Apply on cracks with TOA Acrylic Filler for the crack width < 1 mm. and not to crack continuously. Apply on cracks with TOA Acrylic Sealant for the crack width > 1 mm. and crack continuously.
Coating system Primer For New Surface Primer For Old Surface Primer for Multi purpose	Apply 1 coat of SUPERSHIELD ALKALI RESISTING PRIMER. Allow at least 2 hrs. drying. Apply 1 coat of TOA CONTACT PRIMER or TOA QUICK PRIMER. Allow at least 2 hrs. drying. In case of fresh cement or urgent work can not leave the cement surface completely dry or surfaces with high humidity or old surfaces in good condition or need a white primer to see the steps of primer layer recommended to use multi-purpose primer such as TOA Extra Wet Primer or TOA Quick Primer, etc.
Topcoat	Apply 2-3 coats of SUPERSHIELD SEMI-GLOSS
Recommendation Vibrant / deep shade	Vibrant / deep shade or color shade with # symbol in Fandeck TOA Color world may require additional coats or apply middle coat that it has tone lighter before requiring color Limitations in the use of Vibrant / deep shade with the symbols * , # in TOA's Fandeck * is a shade that has a concern of fading faster than normal shades. Therefore it is recommended avoid for exterior use. # is a shade that has limitations in hiding. It is recommended to increase the number of coats or apply tinted middle coat shade as specified in the TOA tinting machine.
Chalky surface	Previously painted or chalky surfaces or skim coat surface or jointing surface between gypsum board Recommended to use Clear contact primer or Multi purpose primer solvent base to achieve effective adhesion.
Surface temperature	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.
HANDING 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 30-35 °C.
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