



FEATURES

Acrylic Waterborne is a new technology, ambient cured, one component acrylic coating with superior exterior performance properties. Provides outstanding abrasion resistance, good chemical resistance, excellent color and gloss retention.

This product is designed as a finish gloss waterborne coating for facilities applications such as hospitals, school, nursing homes, commercial building or industrial plants

: Hardness film Acrylic waterborne for steel, galvanize, wall and wood.

: Abrasion resistance.

: Low VOC

: Chemical and stain resistance.

: Easy application, Odorless and fast dry.

: Easy washed and cleaned.

: No contained Lead and Mercury.

: Safety health for user and tenant.

: Suitable for general factory, food industry, pharmaceutical industry, dairies food center, canteen, school, nursing home, hospital, hotel, department store and supermarket.

TECHNICAL INFORMATION

Type : Acrylic Emulsion Paint

Color : Wide range of colors

Film appearance : Gloss

Specific gravity : 1.24 ± 0.02

Solid by volume : 36 ± 2 %

Flash point : 51 ± 2 %

Wet film thickness : N/A

Dry film thickness : 100 - 110 microns

Practical coverage. : 35 - 40 microns

: 35 - 45 m²/ gal

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.

	Temperature	25 °C	30 °C	35 °C
Touch dry	Surface dry	10 mins	9 mins	8 mins
Full cure	Hard dry	1.5 hrs.	1 hrs.	45 mins
Recoat dry	Minimum	1.5 hrs.	1 hrs.	45 mins

FILM PERFORMANCE

: Suitable for use on structural surface on surface where there is a possibility of incidental, food contact in commercial food preparation establishments, food processing plant and federally inspected meat and poultry plants.

: QUV 1,200 Hours Test : Yellowness

: Odorless & No flash point problems.

REFERENCE STANDARD

: TIS.2321-2549 (Weather Resistant Emulsion Paints) Green Label Thailand



APPLICATION

Tools	: Air spray, Brush, Roller
Humidity	: Maximum 85% RH
Thinner	: Water
Dilution (%)	: 10- 15% by volume for Roller or Brush : 10- 20% by volume for Spray

APPLICATION SYSTEM

Surface Preparation

New Surface Concrete	: Substrate must be completely cured and dried (~1 month) free from oil, grease, mildew.
Old Surface Concrete	: Powdery and chalky surface must be scrubbed and cleaned with water. Fungus and mildew growth must be cleaned off. Left to dry for 2-3 days. For more smooth surface use TOA Acrylic Wall Filler for skim coating.
Structure Coating Surface	: The surface must be clean, dry, free of loose rust and scale paint, etc. Remove all oil, grease and other contaminants with a suitable solvent. Metal should be blast cleaned in accordance with NACE No.2 / SSPC-SP10, ISO 8501:1, SIS Sa 2.5 to a near-white finish using a suitable abrasive or Power tool cleaning in accordance with SIS St 3 or SSPC-SP3 . : Surface repair (cracks, pores, holes) done with TOA Epoxy putty and polishing of surface with moltoprene disk.
Wood Coating Surface	: Use TOA abrasive paper no. 240-320 to sand the wood surface until smooth, Fill all wood crack and hole by filler Sand again until the smooth surface is obtain, Clean the surface until no dust remain

Coating System

Protective Coating

: Primer	Supershield Aqua Gloss Primer	40 microns x 1 coat
: Topcoat	Supershield Aqua Gloss	40 microns x 2 coats

Recommendation

: The proper relative humidity in the work shall not exceed 85% RH.
 : 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 for prevent moisture and water drop on substrate effective adhesion and drying time.

HANDLING AND STORAGE

Storage condition

: The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition.

Shelf life

: 24 months at 30-35 °C

Package

1 Gallon, 1/4 Gallon



Rev. 1 10/2017

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 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.