

TECHNICAL DATA SHEET**SEAMASTER AQ6300 AQUA TECH ROOF COATING****Description**

AQ6300 Aqua Tech Roof Coating is a 100% acrylic, water proofing membrane suitable for roofs, exterior walls and all other masonry and metal surfaces. It is water based acrylic emulsion which is environmentally friendly.

The flexibility and elongation properties enable Aqua Tech Roof Coating to bridge hairline cracks and discourage fungus growth. It is unaffected by rain or UV rays. It can be used on steel, galvanized zinc and aluminium, wood, masonry construction, concrete and old alkyd enamel surfaces.

- Chemical resistance
- Corrosion resistance
- Good colour and gloss retention
- Fast dry & easy application
- Non fire and health hazard
- No hazardous waste
- Recoatable with solvent based conventional enamel paint
- Excellent adhesion on metal, light metal and wood

Surface Preparation

Surface must be clean, dry and in sound condition. Remove all oil, grease, dust, dirt, loose rust and other foreign material to ensure good adhesion. For oil and grease surface remove by solvent cleaning T49 (do not use hydrocarbon solvent).

Physical Properties

Vehicle Type	100% Acrylic
Pigmentation	Selected chemical and weather resistance types
Density	1.00 ~ 1.30 (depends on colour)
Pot Life	Not applicable
Flash Point	Not applicable
Volume Solid	40± 0.01 % (pure white)
Drying Time at (27 ± 2°C & RH 80 ± 5%)	Surface Dry ≤ 30 mins Touch Dry ≤ 90 mins Hard Dry ≤ 6 hrs
Recoating Interval	6 hrs (minimum), 2 days (maximum)
Dry Film Thickness;	50 ~ 80 microns (2.0 ~ 3.2 mils) per coat
Theoretical Coverage	5 ~ 8 m ² / litre to give dry film thickness for 50 ~ 80 microns
Colour	White and selected range
Finish	Gloss
Shelf Life	2 years
Storage Condition	Air tight, store in dry and cool condition
Application method	By brush, roller, conventional and airless spray
Application Conditions	Air temperature 50°F (10°C) ~ 95°F (35°C), surface material at least 5°F (2.5°C) above the dew point.
Relative Humidity	85% maximum



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Airless Spray	Unit	1500 psi pressure
	Hose	¼" I.D.
	Tip range	0.017 ~ 0.021"
	Filter	60 mesh
Mixing Instruction	Mix paint thoroughly by stirring before use.	
Reducer	Water	
Conventional	Ready to use. Used not more than 10% of water if necessary, to be compatible with the existing application and environmental conditions.	
Note	Excess reduction with water may cause flash rusting.	
Clean Up	Use soap and water after using. Be sure to flash equipment after cleaning with solvent to prevent rusting.	

Recommended Paint System

- a) For Steel Substrate
System 1

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Self Primer	AQ 6300 Aqua Tech Roof Coating	2	100 ~ 160 microns

Remarks For maximum durability, adhesion and corrosion protection midtone, deeptone or ultradeep colours required a primer coat of DTM Acrylic Primer.

System 2

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Water Based Primer	DTM Acrylic Primer	1	50 ~ 80 microns
Water Based Finish	AQ 6300 Aqua Tech Roof Coating	2	100 ~ 160 microns

System 3

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Alkyd Primer	1329 Primer, etc (after 24 hrs minimum dry)	1	40 ~ 50 microns
Alkyd Finish	AQ 6300 Aqua Tech Roof Coating	2	100 ~ 160 microns



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b) For Aluminium and Galvanized Metal

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Self Primer	AQ 6300 Aqua Tech Roof Coatint	2	100 ~ 160 microns

c) For Wood Substrate

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Undercoat	1709 Synlac Undercoat or Aqua Stain Blocking Primer	1	40 ~ 50 microns
Finish	AQ 6300 Aqua Tech Roof Coating	2	100 ~ 160 microns

Remarks Top coat only after 48 hrs minimum dry

d) For Concrete

Sequence	Product Reference	No of Coat(s)	Dry Film Thickness
Self Primer	AQ 6300 Aqua Tech Roof Coating	3	150 ~ 240 microns

Remarks Weathered, soft or porous masonry must be treated with masonry condition e.g. Wall Putty. To prevent stain bleeding from certain kinds of wood, Aqua stain blocking primer should be used.

Product Liability

The Seller warrants the product to be free from manufacturing defects in material and workmanship. The Seller's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited at the Seller's option, to either replacement of products not conforming to this warranty or credit to the Buyer's account in the invoiced amount of the non-conforming products.

The Seller makes no other warranties concerning this product. No other warranties, either express or implied, or satisfactory, and as warranties or merchantability or fitness for a particular purpose, shall apply. In no event shall the Seller be liable for consequential or incidental damages. Any recommendations or suggestion relating to the use of the products made by the Seller, whether in its technical limitation, or in response to specific inquiry, or otherwise, is based on data believed to be reliable, however, the products and information are intended for Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that the Buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

