

PEACOCK AQUACRYLIC FINISH

Product Code: 3320

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PRODUCT DESCRIPTION

- Single component Waterborne Acrylic high performance finish.
- Excellent corrosion resistant and exterior weathering properties as well as suitability for interior and mild environments
- Excellent color and gloss retention.
- Low odor; low VOC

PHYSICAL PROPERTIES

Colours and gloss	Refer to colour guide, gloss
Mass density	approx. 1.2g/cm ³
Solids content (by volume)	approx. 36%
Recommended dry film thickness	50-75 µm do not excess 75µm in one application
Theoretical spreading rate	14.5 m ² /l for 25µm
Touch dry	3 hours at 10°C
Overcoating interval	min. 3 hours at 10 °C
Shelf life(cool and dry place)	at least 24 months
Flash point	93 °C,
VOC Values	60g/l
Dry Temperature resistance	113 °C
Storage	Store indoor, Keep from Freezing

APPLICATION CONDITIONS AND TEMPERATURE

- Surface must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating
- **Steel:** SSPC-SP2, SP3 as minimum requirement. SSPC-SP6 with 25-50 micron surface profile, on top of AQUACRYLIC ZP primer

PERFORMANCE DATA

Test method	Result
Adhesion ASTM D3359	5A
Abrasion ASTM D4060	185 mg loss 3000 cycles, CS10 Wheel
Scrub Resistance ASTM D4213	.0235/0.655 Microliters per 100 cycles wet/dry film volume
Pencil Hardness ASTM D3363	5B
Water Vapor Transmission ASTM D1653	Water Vapor Permeance (WVP) of 3.94 US perms
Salt Fog ASTM B117	No blistering, rusting or rust creepage at scribe after 1500 hours

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APPLICATION INSTRUCTION

Mixing

- Power mix until uniform in consistency. Avoid excessive air entrapment.

Thinning

- Designed to be used as supplied
- May be thinned with 6% of water if necessary.

	AIR SPRAY	AIRLESS SPRAY
Recommended thinner	Water	Water
Volume of thinner	6%	3%
Nozzle orifice	1.8-2 mm	0.53 mm
Nozzle pressure	0.3-0.4 MPa (approx. 3-4 AT; 43-57 P.S.I.)	15MPa (approx. 150 AT; 2100 P.S.I.)

BRUSH AND ROLLER

Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness. Avoid excessive re-brushing or re-rolling.

CLEANING SOLVENT

Spray equipment should be flushed with water followed by mineral spirits.

Brushes and rollers should be cleaned immediately after use with soap and water.

APPLICATION CONDITIONS

Do not apply when the surface temperature is less than **3°C** above the dew point.

Do not apply if temperatures are expected to drop below **10°C** within 24 hours of application.

Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate.

DRY TO HANDLE (50% humidity)

substrate temperature (°C)	10	24	32
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minimum interval (hours)	3	2	1
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DRY TO TOPCOAT (50% humidity)

minimum interval (hours)	3	2	1
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These times are based on a 50-75µm dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times

These times are based on a 50-75µm dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times.

The acrylic film forming process may require several weeks at 24 °C with proper ventilation to develop adhesion and water resistance. High humidity, high film thickness, insufficient ventilation or cooler temperatures will lengthen the overcoating and cure time. Waterborne acrylics are sensitive to moisture during early cure and are susceptible to handling damage.



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