

PEACOCK AQUACRYLIC MULTI-BOND

Product Code: 3120

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PRODUCT DESCRIPTION

- Single component Waterborne Acrylic primer
- Universal bonding primer that adheres tenaciously to virtually any surface including difficult-to-coat substrates like galvanized and stainless steel, aluminium, PVC, FRP and ceramic tile.
- Outstanding tie-coat over existing coatings
- Topcoat with virtually any generic coatings
- Low odor; low VOC

PHYSICAL PROPERTIES

Colours and gloss	Translucent White
Mass density	approx. 1.2g/cm ³
Solids content (by volume)	approx. 38%
Recommended dry film thickness	25-50 μm do not exceed 75μm in one application
Theoretical spreading rate	15 m ² /l for 25μm
Touch dry	3 hours at 10-16°C 1 hours at 24-32°C,
Overcoating interval	min. 4 hours at 16°C
Shelf life(cool and dry place)	at least 36 months
Flash point	93°C,
VOC Values	50g/l
Dry Temperature resistance	66°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-SP-1, SP3
- **Galvanized Steel:** SSPC-SP1
- **Non-ferrous Metal:** SSPC-SP1
- **Other substrates:** SSPC-SP1
- **Existing coating:** Lightly sand or abrade to roughen surface and de-gloss the surface. Existing paint must attain a minimum 3B rating in accordance with ASTM D3359X-scribe adhesion test.

PERFORMANCE DATA

Test method	Result
Adhesion – dry wall ASTM D3359	4B-5B
Adhesion – Galvanized ASTM D4541	475 psi
Adhesion – Stainless Steel ASTM D4541	1290 psi
Adhesion – blasted steel ASTM D4541	600 psi

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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

Aquacrylic Multi-Bond is translucent and will appear not to fully hide at the recommended dry film thickness, and may have a treaky appearance when applied by brush or roller. These are normal conditions and would not affect performance.

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.

OVERCOATING TABLE with water base

substrate temperature (°C)	10	16	24	32
minimum interval (hours)	3	3	1	1

OVERCOATING TABLE with solvent base

minimum interval (hours)	60	36	24	18
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FULL CURE

minimum interval (Days)	28	14	7	4
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These times are based on a 25µm 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.