

BARILINE 700

Universal Alkyd Primer



Description:

Bariline 700 Alkyd Primer offers excellent protection against corrosion in most industrial and exterior environments. It exhibits very good adhesion to properly prepared ferrous metals. Offers good exterior durability for short term shop primer use. Contains lead and chromate-free anti-corrosive pigments for excellent corrosion resistance. HAP's Free and low VOC content. This product is specifically designed as a very good performance, production primer for Baril alkyd systems.

Advantages:

- Good Corrosion Resistance
- Fast Dry and recoat
- Long Working Times

Uses:

- Shop Primer
- Structural Steel
- Equipment
- Tank Exteriors
- Marine Vessels
- Vehicles

Surface Preparation:

New or Unfinished Surfaces:

The surface to be coated should be free of all contamination (dust, dirt, oil, grease). The following is a guideline of substrates that Bariline 700 may be applied to, along with surface preparation.

Ferrous Metal: -Wash and Chemical Pretreatment
-Hand or Power Tool Cleaning: (SSPC-SP2 or SP3)
-Solvent Wipe

Galvanized: -Not Recommended

Aluminum: -Not Recommended

Mixing Instructions:

Thoroughly mix product with a mechanical mixing device. The temperature of the mixed product should be at least 45 F - 50 F during application.

Material Properties

Gloss Level	Flat Finish
Density	10.74 lbs./gal
Volume Solids	44%
VOC	2.77 lbs./gal 329 grams/ltr
Dry Film Thickness	1.5-4.0 mils
Colors Available	Grey and Red
Pot Life (68°F/20°C)	N/A - Single Component
Theoretical Coverage	352 sq.ft./gal. @ 2.0 mils DFT
Practical Coverage	As a guideline for airless spraying on large dimensions: 70% of theoretical coverage. For small dimensions: 50%

Application Instructions

Spray Method	Airless	Air Assisted Airless	Air Spray / HVLP
Thinner	Xylene	Xylene	Xylene
Quantity	0-10%	0-10%	0-10%
Nozzle or Tip Size	0.011 to 0.013	0.011 to 0.013	1.0 to 1.5
Fluid Pressure	2000 to 3000 PSI	1000 to 1500 PSI	8-10 PSI
Air Pressure	N/A	50 PSI	45 PSI
Dry Film Thickness	2.0-4.0 Mils	2.0-4.0 Mils	2.0 to 4.0 Mils

Performance Characteristics

Impact (Direct & Indirect) ASTM D-2794	40 in lbs. / 18 in lbs.
Chemical Resistance	25 Double MEK Rubs
Flexibility: ISO 1519 / ASTM D522	Cylindrical Mandrel 10mm ISO 1520 Cupping 5-7 mm
Adhesion (Cross Hatch) ASTM D 3359:	Passes 5B on Treated Panels Bonderite 1000
Salt Spray ASTM B-117	Direct to Bonderite 1000 Panels 500 hrs

Dry Times: 70°F @ 2 mils DFT

To Touch:	15 Minutes
To Handle:	1-Hour
To Re-Coat:	30 Minutes Min to 4Days Max
Force Cure: 150° F	20 Minutes after a 10 Minute flash.

During drying and curing the relative humidity should remain between 55-90%. Temperatures below 45°F will extend the dry times.

Health & Environmental:

In accordance with OSHA regulations on hazardous materials, harmful and irritating if in contact with skin, eyes and by inhalation. Observe safety information from MSDS sheets. Always wear proper protective suits, gloves and eye protection. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. If spraying, always wear proper NIOSH approved respirators. Fresh air fed respirators are preferred. Do not eat, drink or smoke during application. Discharge, treatment or disposal is subject to federal, state, commonwealth, provincial and local laws. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind or weld on or near this container.

Cleaning Instructions:

Cleaning tools: Clean immediately after application using MEK or Lacquer Thinner.

Warranty / Disclaimer:

The technical data and other printed information furnished are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty. A copy of which can be obtained from Baril Coatings, which is the exclusive warranty with respect to the sale of this product. The modification of any component or uses not outlined in this bulletin nullifies the warranty unless advance written confirmation is obtained from Baril Coatings. No other warranties expressed or implied shall apply. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, shall be to supply replacement materials as set forth in the limited warranty.