

BariLine 703

Graphite Enamel



Description:

BariLine 703 is a graphite-based coating that can be used wherever you have a sliding friction problem. This coating bonds quickly to any clean metal, wood, concrete, and most plastic surfaces, and provides unprecedented slip characteristics. 703 is an ideal choice for grain carts, silos, and any surface that requires the release of debris or any unwanted material on the surface of the part.

Advantages:

- Excellent Lubricity
- Fast Dry
- Excellent Weathering
- Easy to apply

Uses:

- Ag Equipment
- Structural Steel
- Equipment
- Metal Fabrication
- General OEM Finishing
- Containers and dumpsters

Surface Preparation:

New or Unfinished Surfaces:

Ferrous Metal: Surface must be free of contaminants (dust, oil, grease, oxidation) Material may be applied direct to metal. For better corrosion resistance, please prime with BariLine 700 Primer. Water wash and chemical pretreatment will add to the life of the coating system.

Galvanized Metal: Not Recommended

Aluminum: Not Recommended

Previously Painted Surfaces: Repair all damaged areas. Remove gloss from previous paint by sanding or "Brush Blast". (SSPC-SP7) Remove rust, corrosion, heavy chalk and loose or peeling paint by "Hand or Power Tool Cleaning" (SSPC-SP2 or -SP3). Spot prime any bare areas as required. If doubt exists concerning compatibility of this coating with the previous paint system, apply coating to a representative area (25 square feet minimum) and allow to cure and age several weeks. Then inspect for adhesion failure, wrinkling, lifting, blistering or any other sign of incompatibility. If there are no signs, coating work can proceed.

Mixing Instructions:

Thoroughly mix product using a mechanical mixing device.

-BariLine 710 may be used by itself

For Improved performance:

-BariLine 710 may be activated with ACT-096 at a mix ratio of 8 Parts 710 to 1 Part ACT-096

Material Properties

Gloss Level	High Gloss
Density	8.56 lbs./gal
Volume Solids	45%
VOC	3.5 lbs./gal 420 grams/ltr
Dry Film Thickness	2.0-4.0 mils
Colors Available	Full ColorLinks Spectrum
Pot Life (68°F/20°C)	N/A - Single Component
Theoretical Coverage	360 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	0.009 to 0.013	0.009 to 0.013	1.0 mm to 1.4 mm
Fluid Pressure	2000 to 3000 PSI	1000 to 1500 PSI	20-30 PSI
Air Pressure	N/A	30 PSI	25-40 PSI
Dry Film Thickness	2.0-4.0 Mils	2.0-4.0 Mils	2.0 to 4.0 Mils

Performance Characteristics

Gravelometer ASTM D-3170	Standalone 5 Activated 8
Chemical Resistance	25 Double MEK Rubs
Accelerated Weathering QUV-UVB	750 Hours 70% Gloss Retention
Adhesion (Cross Hatch) ASTM D 3359:	Passes 5B on Bonderite 1000
Salt Spray ASTM B-117	Direct to Bonderite 1000 250 hrs

Dry Times: 70°F @ 2-4 mils DFT

To Touch:	30 Minutes
To Handle:	1-Hour
To Re-Coat:	Before 6 Hours or After 35 Hours
Force Cure:	10 Mins @ 110° to 150° F

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.