



IMA – 701  
**COROPOXY®**  
**Polyamide**  
**101 Line**  
**Rev. 05/09**

Coronado Industrial Coatings - 308 Old County Road · Edgewater, Florida 32132 · 800-883-4193 · FAX 800-394-9022

## COROPOXY® Polyamide 101 Line

Type	Sheen	Theoretical Spread Rate	Recommended Application	Thinner	Clean Up
Epoxy Polyamide	3 Choices: Gloss, Semi-Gloss, Hi-Build Gloss	Varies With Converter Used*	Airless or Air Spray, HVLP, Brush or Roll	COROSOLVE™ 45-187	COROSOLVE™ 45-187
<b>Touch Dry Time:</b>	2 Hr. @55°F 1 Hr. @77°F 30 Min. @100°F	<b>Min Recoat:</b>	9 Hrs. @55°F 3 Hrs. @77°F 1.5 Hrs. @100°F	<b>Max Recoat :</b>	3 Months @55°F 28 Days @77°F 14 Days @100°F

<b>PRODUCT NAME:</b> 101 Line COROPOXY® Polyamide	<p>COROPOXY® Polyamide is designed for use in Food and Beverage Processing, Industrial Maintenance, General Metal Finishing and Fabrication, Chemical Processing, Industrial and Commercial Flooring and other areas requiring maximum impact and abrasion resistance. It's highly cross-linked film resists many chemicals and solvents, and does not support the growth of mold, fungi or other micro-organisms. This coating may be used in immersion of fresh and salt water and is FDA and USDA approved for areas of direct and indirect dry food contact.</p> <p><b>This is a two component product that requires 1 part of the proper "A" or Base Component mixed with 1 part of the proper "B" or Converter Component.</b></p>	
<b>WHERE TO USE:</b>	<p><b>Steel, Galvanized, Concrete, Fiberglass, Aluminum, Drywall</b></p>	<p>COROPOXY® Polyamide is a multi-use epoxy designed for coating a multitude of items including tanks, machinery, floors, structural members, walls, boats, and other industrial and commercial substrates requiring a durable and resistant finish. The base component dictates the color of the mixed kit, while the converter determines the gloss and film build level. COROPOXY® Polyamide will amber and chalk if exposed to ultraviolet light.</p>
<b>SURFACE PREPARATION:</b>	<p>The performance of this product is directly dependent upon the degree of surface preparation employed. All dirt, oils and accumulated salts must be removed prior to employing specific surface preparation methods. Pressure washing with an oil and grease emulsifier (2500 psi) followed by solvent washing in accordance with SSPC-SP1 will best accomplish this task.</p> <p><b>STEEL:</b> Non-Immersion requires Hand Tool Cleaning (SSPC-SP2) or Power Tool Cleaning (SSPC-SP3) or for best results, Commercial Blast Cleaning (SSPC-SP6) followed by the proper primer (See Primer Section). Immersion service requires Near White Metal Blast (SSPC-SP10) followed by the proper primer.</p> <p><b>CONCRETE:</b> For floors, refer to IMA-1111; all other concrete surfaces should have form/release agents removed by pressure washing as indicated above. Acid etching may be required to properly open the surface.</p> <p><b>NON-FERROUS METALS:</b> Solvent Wash (SSPC-SP1) or pressure wash with an oil and grease emulsifier as indicated above. Rusted areas on galvanized should be removed by Hand Tool Cleaning (SSPC-SP2) or Power Tool Cleaning (SSPC-SP3).</p> <p>Please consult Technical Service for other surface preparations or for use in severe environments.</p>	
<b>APPLICATION:</b>	<p>Mix each individual component thoroughly prior to inter-mixing the two. "A" and "B" must be combined together and thoroughly mixed and then allowed to induct for a period of 30 minutes. The use of a drill mixer at low speed will best accomplish this task.</p> <p>Thin with COROSOLVE™ Epoxy Thinner 45-187 ONLY. SEE THINNING INSTRUCTIONS ON PAGE THREE.</p> <p><b>Airless Spray (Preferred Method):</b> Tip range between 13 and 19 thousandths. Total fluid output pressure at tip should not be less than 2000 psi.</p> <p><b>Air Spray (Pressure Pot):</b> DeVilbiss MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.</p> <p>NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner.</p> <p><b>Brush:</b> Natural Bristle only.</p> <p><b>Roller:</b> Industrial Cover with Phenolic core.</p>	
<b>*NOTE ON SPREAD RATE:</b>	<p>Actual spread rate will vary based upon numerous factors, including texture of the substrate, application method, waste, surface porosity and thinning. The Theoretical Spread Rate listed on this document has not taken into account these factors and is only based upon the volume solids of this product and the recommended wet film thickness when applied to a smooth substrate.</p>	

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<b>STORAGE:</b>	12 months at 77°F in original unopened container. Prolonged storage at higher temperatures can shorten the shelf life. Store in dry, shaded area, away from heat and ignition sources. Protect from frost.		
<b>TINTABILITY:</b>	COROPOXY® Polyamide is available in three tinting bases to be tinted with the Prism Industrial Colorants ONLY. Certain Ready Mixed Colors, as well as batch quantity special colors are available.		
<b>RESIN TYPE:</b>	Epoxy / Polyamide		
	<b>101-XXA + 101-250B (Gloss Converter)</b>	<b>101-XXA + 101-251B (Semi-Gloss Converter)</b>	<b>101-XXA + 101-252B (Hi-Build Converter)</b>
<b>VOLUME SOLIDS (Mixed A+B):</b>	62.8 ± 1.0%	61.9 ± 1.0%	66.2 ± 1.0%
<b>WEIGHT PER GALLON:</b>	10.7	11.5	10.9
<b>MIX RATIO:</b>	1:1	1:1	1:1
<b>INDUCTION TIME:</b>	30 Min. @ 77°F	30 Min. @ 77°F	30 Min. @ 77°F
<b>POT LIFE:</b>	14 hrs. @ 55°F / 7 hrs. @ 77°F / 3.5 hrs. @ 100°F	14 hrs. @ 55°F / 7 hrs. @ 77°F / 3.5 hrs. @ 100°F	14 hrs. @ 55°F / 7 hrs. @ 77°F / 3.5 hrs. @ 100°F
<b>SPREAD RATES:</b>	400-500 Square feet	400-500 Square feet	200-250 Square feet
<b>FLASH POINT:</b>	80°F. (TT-P-141, Method 4293)	80°F. (TT-P-141, Method 4293)	80°F. (TT-P-141, Method 4293)
<b>SPECULAR GLOSS:</b>	85+ units @ 60°	40-45 units @ 60°	65 – 75 units @ 60°
<b>WET FILM THICKNESS:</b>	3.2 to 4.0 mils	3.2 to 4.0mils	6.4 to 8.0 mils
<b>DRY FILM THICKNESS:</b>	2.0 to 2.5. mils	2.0 to 2.5 mils	4.2 to 5.3 mils
<b>VOC/VOS STATEMENT:</b>	This product contains a maximum of 340 grams VOC/VS per liter of coating. (2.8 pounds per gallon)		
<b>OTC CATEGORY:</b>	This product is compliant under the Ozone Transport Commission regulations as an Industrial Maintenance Coating.		
<b>CAUTIONS:</b> (These statements are based upon a 1:1 mixture of 101-1A and 101-250B. The use of different colored "A" components and/or different "B" components will dictate different statements. Please consult the labels of each component for proper warnings.)	<p style="text-align: center;"><b>DANGER!</b></p> <p style="text-align: center;"><b>Contains Xylene, Aromatic Solvents, Ethylbenzene &amp; Propylene Glycol.</b></p> <p>FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. HARMFUL OR FATAL IF SWALLOWED. May be harmful if absorbed through skin. Causes eye, nose, throat and skin irritation. OVEREXPOSURE MAY CAUSE KIDNEY DAMAGE.</p> <p><b>NOTICE:</b> Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.</p> <p><b>Use only with adequate ventilation.</b> Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame. Vapors can cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.</p> <p><b>First Aid:</b> In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.</p> <p>If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.</p> <p><b>DANGER</b> – Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed, water-filled metal container.</p> <p><b>WARNING:</b> This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.</p> <p style="text-align: center;"><b>Obtain and read the MSDS prior to using this product.</b></p> <p style="text-align: center;"><b>KEEP OUT OF REACH OF CHILDREN</b></p> <p style="text-align: center;"><b>FOR INDUSTRIAL USE ONLY</b></p>		

**TEST DATA**

<b>Salt Spray (ASTM B117) 2 coats over 1201 Line primer (1000 Hours)</b>	Face Corrosion-None Face Blistering-None Rating-10, Rust-0.00%
<b>Humidity (ASTM D4585) (Same system as above 1000 Hours)</b>	Face Corrosion-None Face Blistering-None Rating-10, Rust-0.00%
<b>Steam Resistant</b>	Yes
<b>Dry Heat Resistance</b>	300°F
<b>Wet Heat Resistance</b>	150°F
<b>Flexibility (ASTM D1737)</b>	Pass 3/16" Mandrel
<b>Adhesion (ASTM D3359)</b>	Pass 5B
<b>Sag (ASTM D4400)</b>	w/250B: 8 mils + w/251B: 8 mils + w/252B: 15 mils +

**CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)**

<b>Fresh Water</b>	Excellent
<b>Salt Water</b>	Excellent
<b>Acids</b>	Good
<b>Alkalis</b>	Good
<b>Solvents</b>	Excellent
<b>Fuel</b>	Good
<b>Acidic Salt Solutions</b>	Excellent
<b>Alkaline Salt Solutions</b>	Excellent
<b>Neutral Salt Solutions</b>	Excellent

**QUALIFICATIONS**

Any "A" with 250B meets performance specs of MIL-C-22750
Any "A" with 251B meets performance specs of MIL-C-4556
Any "A" with 250B or 252B meets MPI #77
Any "A" with any "B" and the addition of a Non-Skid Additive meets MPI #82
Any "A" with 251B meets MPI #108
Meets FDA qualifications for direct dry food contact.
Meets USDA qualifications for incidental food contact.

**SYSTEMS RECOMMENDATIONS  
COMPATIBLE PRIMERS & INTERMEDIATES**

PRIMERS: 1201 Line, 1147 Line, 820 Line, 317-200, 113 Line, 101-10, 1433-10, 1447-10, 3835-145, 3803-692, 954-11 116-11
INTERMEDIATES: 111-111, 113 Line, 3821-111
May be topcoated with Urethane, MCU or Epoxy
For primers / intermediates other than listed above, or for usage in severe environmental conditions, please consult with Coronado Industrial Coatings technical service.

**WARRANTY**

Coronado Paint Company warrants its products to be free from defects in materials and workmanship. Coronado Paint Company's sole obligation and the purchaser's exclusive remedy shall be limited, at Coronado Paint Company's option, to either replacement of nonconforming products or credit to the purchaser's account in an amount not greater than the original purchase price of the nonconforming products. Any claim under this warranty must be made by the purchaser, in writing to Coronado Paint Company, within ten (10) days of the purchaser's discovery of the claimed defect, but not later than the expiration of the applicable shelf life, or one year from the original delivery date, whichever is earlier. Purchaser's failure to notify Coronado Paint Company of any nonconformance as required shall bar the purchaser from recovery under this warranty.

Coronado Paint Company makes no other warranties, expressed or implied, such as merchantability or fitness for a particular purpose concerning its products. In no event shall Coronado Paint Company be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the usage of products made by Coronado Paint Company, whether in the form of literature, data, or in response to specific inquiry, or otherwise is based upon information believed to be reliable; however the products and information are intended for use by skilled and knowledgeable purchasers, and is therefore for the purchaser to satisfy itself of the suitability of the products for its own specific use, and it shall be deemed that the purchaser has done so, at the sole discretion and risk. Variation in application conditions, ambient conditions or extrapolation of information may cause unsatisfactory results.

**LIMITATION OF LIABILITY**

Coronado Paint Company's liability on any claim, including claims based upon negligence, or strict liability for loss, or damage arising out of, connected with, or resulting from the use of products, shall in no case exceed the purchase price of the products directly giving rise to the claim. In no event shall Coronado Paint Company be liable for consequential or incidental damages.

**THINNING RECOMMENDATIONS:**

Do not thin more than local regulations allow.

DO NOT USE THINNERS OTHER THAN COROSOLVE™  
EPOXY THINNER 45-187.

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NOTES:

