



IMA-410
COROPOXY®
High Build Multi-Purpose
111 Line
 Rev. 11/11

Coronado Industrial Coatings - 101 Paragon Drive · Montvale, NJ 07645 · Phone 800-225-5554 · FAX 888-248-2143

COROPOXY® High Build Multi-Purpose 111 Line

Type	Sheen	Theoretical Spread Rate	Recommended Application	Thinner	Clean Up
Epoxy	Low Sheen	75 -150 Sq. Ft. Per Gallon*	Airless, Air-Spray, Brush or Roller	45-187	45-187
Touch Dry Time: (at 6 mils DFT)	8 Hrs. @55°F (13°C) 4 Hrs. @77°F (25°C) 2 Hrs. @100°F (38°C)	Min Recoat:	12 Hrs. @55°F (13°C) 8 Hrs. @77°F (25°C) 6 Hrs. @100°F (38°C)	Max Recoat: (roughen surface if needed)	8 weeks @55°F (13°C) 6 weeks @77°F (25°C) 2 weeks @100°F (38°C)

PRODUCT NAME: 111 Line COROPOXY® High Build Multi-Purpose	COROPOXY® 111 Line is a multi-purpose polyamide, designed as a block filler, high build primer or intermediate, or as a low sheen finish coat. It may be top-coated with a wide range of finishes including epoxy, polyurethane, MCU or acrylic. This product has been formulated with anti-corrosive pigments, to protect against rust creep around damaged areas. This product is suitable for immersion service in fresh or salt water, and is an excellent choice as a ballast tank lining. It is VOC compliant, even in the most stringent areas. It is compatible over many primer types, including IOZ, epoxy, acrylic, and MCU, and direct to substrate with a wide variety of surface preparation procedures. The cured film exhibits excellent corrosion resistance in a wide variety of severe environments. COROPOXY® Polyamide will amber and chalk if exposed to ultraviolet light.	
WHERE TO USE:	Ferrous Metal Galvanized Aluminum Stainless Steel Concrete Masonry Aged Coatings	Intended for use on properly prepared substrates such as industrial steel, piping, machinery, offshore structures, piers, platforms, tank lining for salt and fresh (non-potable) water, tank exteriors. This epoxy is also designed to fill pores, voids or other surface imperfections on concrete block and other porous masonry substrates. Use in food and beverage processing, chemical processing, waste water treatment, petrochemical processing, pulp and paper processing, in addition to general metal finishing for atmospheric and chemical environments.

REGULATORY INFORMATION:	VOC/VOS STATEMENT:	OTC CATEGORY:	MPI / LEED:
	The product supported by this data sheet contains a maximum of 240 grams per liter VOC / VOS (2.00 lbs/gal.) excluding water & exempt solvents.	This product is compliant under the Ozone Transport Commission regulations as an Industrial Maintenance Coating.	This product is certified under MPI #116. This product does meet qualifications for LEED (Leadership in Energy and Environmental Design) projects as an Anti-Corrosive Paint if used on metal.

SURFACE PREPARATION:	<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 will best accomplish this task. Non-Ferrous metals (galvanized, aluminum) should be prepared by treating with 93-300 Metal Pretreatment or light abrasive blasting prior to application of this product. Porous concrete block should be filled using 954-11 High Performance Block Filler.</p> <p>Abrasive Blasting: For immersion service, blast clean steel substrates to a minimum of SSPC-SP10, and concrete substrates to a suitable cleanliness through sweep blasting. For atmospheric exposure on steel, blast to a minimum of SSPC-SP6 and for concrete sweep blast or acid etch. Surface profile should be 2 to 3 mils.</p> <p>Hand or Power Tool Preparation: Hand or power tool clean steel surfaces to a minimum SSPC-SP2, or SP3.</p> <p>Aged Existing Coatings: Coropoxy® 111 Line is suitable for over-coating a limited range of tightly adhering, intact aged coatings. Sand glossy surfaces to provide profile. Remove loose, flaking coatings back to a firm edge. Coatings that may be over-coated include IOZ, urethanes, epoxies, alkyds, and acrylics. Do not overcoat existing thermoplastic coatings (chlorinated rubber, vinyl) with 111 Line.</p>
-----------------------------	--

APPLICATION:	<p>Mix each component thoroughly prior to blending the two, with a power agitator. Slowly add the "B" component to the "A" while agitating the "A". Allow a 15 minute induction or sweat-in time. Do not vary the packaged ratio. Only mix enough material that can be used within the working pot life.</p> <p>POT LIFE: 8 Hrs. @ 55°F (13°C) / 5 Hrs. @ 77°F (25°C) / 2 Hr. @ 100°F (38°C)</p> <p>Airless Spray (Preferred to apply maximum millage in one coat): Tip range between 19 and 25 thousandths. Total fluid output pressure at tip should not be less than 2500 psi. Equipment should be not less than 30:1 compression ratio.</p> <p>Air Spray (Pressure Pot): DeVilbiss MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E. Application by air spray may require a multiple cross spray pattern to achieve maximum film build. Thinning may be required to adequately atomize material. Do not thin more than local regulations allow.</p> <p>NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner immediately after use.</p>
---------------------	---

IMA-410
COROPOXY®
High Build Multi-Purpose
111 Line

	<p>Brush: Natural Bristle only. Typical Brush application will apply 4 to 5 mils of product. Roller: Industrial roller with Phenolic core. Typical roller application will apply 3 to 4 mils of product. Level of sheen and surface finish is directly dependent upon application method. Avoid using a mixture of application methods whenever possible. After prolonged stoppages, do not mix previously catalyzed material with freshly catalyzed material.</p>
*NOTE ON SPREAD RATE:	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.
STORAGE:	12 months minimum at 77°F. Examine product after this time. If material is fluid and no settling is apparent, product is still usable. Store in dry, shaded area, away from heat and ignition sources. Protect from frost.
TINTING:	Tint only the "A" component, with Prism Industrial Colorants (844 type). NOTE: 111 Line is not a controlled tinting base; color may vary slightly from batch to batch. Add up to 4 ounces of colorant to achieve desired hue.
RESIN TYPE:	Epoxy
VOLUME SOLIDS:	67.9 ± 1.0% mixed
WT PER GALLON:	13.5 ± 0.5 lbs. mixed
MIX RATIO:	1.0 : 1.0 by volume
INDUCTION TIME:	15 minutes at 77°F (25°C)
POT LIFE:	8 Hrs. @ 55°F (13°C) / 5 Hrs. @ 77°F (25°C) / 2 Hr. @ 100° F (38°C)
FLASH POINT:	80°F (mixed)
SPECULAR GLOSS:	5 - 20 units @ 60°
FILM THICKNESS:	Wet: 10.7 to 21.4 mils Dry: 7.3 to 14.5 mils
CAUTIONS:	<p style="text-align: center;">DANGER!</p> <p style="text-align: center;">FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED.</p> <p>Contains: Xylene, Ethylbenzene, Methyl Propyl Ketone, Triethylenetetramine Cancer Hazard: Contains Crystalline Silica, which can cause cancer. Risk of cancer depends on duration and level of exposure to dust generated from sanding surfaces or spray mists.</p> <p>Vapor Harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat and lung irritation. May cause allergic respiratory reaction. Overexposure may cause lung and kidney damage. NOTICE: Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat, sparks and flame. Vapors may 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. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use Only With Adequate 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. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.</p> <p>FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy contaminated shoes. If inhaled, move to fresh air. If you experience difficulty in breathing, leave the area to obtain fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If continued difficulty is experienced, get medical assistance immediately. If swallowed, do not induce vomiting. Get Medical Attention Immediately.</p> <p>Close container after each use. 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>ATTENTION: This container hazardous when empty. Empty container retains explosive vapors and flammable residues. All labeled hazard precautions must be observed. Keep away from heat, sparks, and flames. Do not cut, puncture or weld on or near this container. Not rated for pressure, do not apply air or gas pressure. Do not reuse this container for any purpose.</p> <p>DANGER – 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 style="text-align: center;">WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.</p> <p style="text-align: center;">Obtain and Read the Material Safety Data Sheet Before Using</p> <p style="text-align: center;">KEEP OUT OF REACH OF CHILDREN</p> <p style="text-align: center;">INTENDED FOR PROFESSIONAL USE ONLY</p>

IMA-410
COROPOXY®
High Build Multi-Purpose
111 Line

TEST DATA	
Abrasion (ASTM D4060)	60 mg loss CS-17
Adhesion (ASTM D3359)	5B
Salt Spray (ASTM B117)	Face Corrosion-None
(1 Coat , 6 mils, 5000 Hours)	Face Blistering-None
Humidity (ASTM D4585)	Face Corrosion-None
(3000 Hours)	Face Blistering-None
Steam Resistant	Yes
Direct Impact Resistance	15 in.-lb.
Reverse Impact Resistance	10 in.-lb.
Dry Heat Resistance	250°F
Wet Heat Resistance	150°F

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Excellent
Acids	Good
Alkalis	Excellent
Solvents	Excellent
Fuel	Excellent
Acidic Salt Solutions	Excellent
Alkaline Salt Solutions	Excellent
Neutral Salt Solutions	Excellent
IMMERSION	
Fresh Water (Non-Potable)	Excellent
Salt Water	Excellent

QUALIFICATIONS
Suitable for use in USDA Inspected facilities
MPI Certified - #116
Meets performance requirements of Federal specifications MIL-P-52192 and MIL-P-23236B, Type IV
Meets performance requirements of SSPC Paint #22 (Intermediate)

SYSTEMS RECOMMENDATIONS	
PRIMERS	
Ferrous Metal	IOZ, 1201, 113,
Non-Ferrous Metal	317
Concrete	1433-10, 101-10, 1447-10
Concrete Block	954-11
Aged Coatings	Use Direct
COMPATIBLE FINISHES OVER 111	
101, 827, 837, 848	

WARRANTY
<p>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.</p> <p>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.</p> <p>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.</p>

LIMITATION OF LIABILITY
<p>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.</p>

THINNING RECOMMENDATION:
Do not thin more than local regulations allow.
Use only Coronado® 45-187 as a thinner.
The use of 3 ounces per gallon of 45-187 results in a VOC of 250 g/l (2.10 lbs./gal.)
The use of 6 ounces per gallon of 45-187 results in a VOC of 290 g/l (2.4 lbs./gal.)

COROPOXY® High Build Multi-Purpose

111 Line

NOTES:

