

K Coatings

*Technical Data-Architect Specifications POXY COAT® II™ Color (Excluding Aluminum) Low V.O.C.**

Description: A high gloss, super durable enamel, for use on suitable exterior and interior wood, metal and concrete surfaces. Highly resistant to chalking and fading. Dries rapidly to a tough, long lasting finish.

Recommended for: Maintenance coatings for home, farm industrial, marine equipment and machinery, color coding of process equipment and piping, interior and exterior of buildings, ship hulls (above water line), barges, buoys, bridges, structural steel, tanks, floors, walls, etc. Aluminum not recommended for floors. Not recommended for immersion service or for substrates subject to vehicular traffic. For swimming pools use **Splash Coat®**.

Physical Characteristics:

Pigment	Titanium Dioxide, Colors, Inerts
Vehicles	Soya Alkyd/Acrylic with epoxy esters
Percent Solids/Wt	73%
Percent Solids/Vol	59%
Recommended DFT	2.0 to 3.0 mils
Coverage/Gallon	775 sq.ft. theoretical @ 1 mil
Dry Time	6 hours (set to touch) allow overnight for thorough dry).
Weight	Average 9.75 pounds/gallon
Viscosity	85 ± 5 KU
Colors	See color chart
VOC	not more than 2.8#/gal.**

Chemical Resistance Tests:

Legend:	S = Resistance to splash, spillage, fumes	
	I = Resistance to immersion	
Acids:	Hydrochloric Acid 2%	S
Solvents:	Butanol	S
	Carbontetrachloride	S
	Ethanol	S
	Ethylene Dichloride	S
	Methanol	S
	Mineral Spirits	S
	Petroleum Ether	S
	V.M.&P. Naptha	S
Alkali:	Ammonium Hydroxide - Conc	S
	Ammonium Hydroxide 10%	S
	Ammonium Hydroxide 2%	S
Miscellaneous:	Bromine Water	S
	Chlorine water	S
	Cutting Oil	S
	Gasoline - Regular	S
	Gasoline -Premium	S
	Glycerine	S
	Motor Oil-10W	I
	Sodium Chloride 25%	S
	Water-deionized	S
	Water-Sea	S
	Water-Tap	S

Physical Tests:

Humidity:	Federal Test Method Std. 141a, Method 6201 100 hours - moderate film softening 10% No.9 and 15% No.6 blisters*
Impact Resistance:	Direct-passes 50 inch-pounds Reverse-passes 30 inch-pounds
Abrasion Resistance:	(Taber) Federal Test Method Std. 141a, Method 6192 200 revolutions, CS-17 wheel, 1000 gm.weight 82.3 mg.loss
Hardness:	(Pencil)-3B
Flexibility:	(Concical Mandrel Test) Federal Test method Std. 141a, Method 6222- No cracking
Temperature:	150°/175°F. Max. after cure

*NOTE: Blister types graded from No.10. very small to No.1, very large.

Curing Time:

1. Pot Life Not Applicable
2. To Recoat Overnight
3. To handle 12 hours at 75F.

(Full cure may take in excess of 60 days depending upon DFT, temperature and humidity)

Special Comments:

Harmful if swallowed. Do not use or store near heat or open flame. USE WITH ADEQUATE VENTILATION! Avoid prolonged contact with skin and breathing vapor or mist. Close container after each use. For use by COMMERCIAL OR PROFESSIONAL APPLICATORS ONLY. Certain volatile solvents are flammable. Keep away from heat and open flame, avoid prolonged breathing of vapors. Avoid contact with skin or eyes. In the event of skin or eye contact, flush immediately with plenty of water. For eyes, obtain prompt medical attention. When applying in closed areas, provide adequate fresh air ventilation and avoid breathing concentrated vapors.

Surface Preparation*:

Over Primer -

1. Remove all surface contaminants completely.
2. Be sure previous coating is cured.
3. Be certain surface is dry.

Conventional Spray:

1. Pressure material pot with mechanical agitator
2. Separate atomizer air and fluid pressure regulators.
3. Air supply: compressor capable of supplying a continuous volume of air at 80 psi to nozzle of each gun.
4. Air hose for gun - 5/16" or 3/8" I.D.
5. Material House - 1/2" I.D.
6. Industrial spray gun, such as Binks 18 with 63PE air cap, 63C fluid tip and 63A needle size.

1-2,000,000 20,000 "

Safety Equipment Required:

1. Explosion-proof lights and electrical equipment.
2. Fresh air mask, such as Devibiss P-MPH 527 and MPH 529, connected by ¼" air hose directly to air source.
3. Explosion-proof exhaust fan of sufficient capacity to keep solvent vapors below 20% of the explosive limit of ¼ by volume of solvent vapor in the air.

	Volume of Tank Size*	Required Blower*
Gallons	500-1500	1,000 (cu.ft/min.)
	2,000-10,000	2,000 "
	15,000-40,000	5,000 "
	50,000-250,000	10,000 "
	500,000-1,000,000	15,000 "

Application Procedure:

1. Clean all equipment with Mineral Spirits.
2. Stir material thoroughly before and throughout application.
3. Base coats may be thinned with no more than 12% by volume of Mineral Spirits. Topcoats should not be thinned except for workability. (Do not thin in geographic areas where thinning will result in violation of VOC Regulations)
4. Remove all dust from surfaces to be coated.
5. If using conventional spray, regulate air pressure: 40-50 psi to gun: 20-25 psi to pot. Note: pressures may vary with temperature or hose length.
6. Hold spray gun at right angle to work.
7. Apply material as a heavy, wet coat in even, parallel passes, overlapping each pass 50%.
8. Clean all equipment with Mineral Spirits after use

**All blowers to be completely explosion-proof types for all moving parts contained therein.*

Note: Supersedes all other technical sheets. For additional information regarding preparation and application, please refer to Technical Forms M-90 and M-119. For Poxo Coat ®II™ Aluminum, refer to M-200.

"All technical recommendations and services are accurate to the best of our knowledge. Seller assumes no responsibility for the results obtained or damages incurred from their use by the Buyer in whole or in part. No warranty, including those of merchantability or fitness for a particular purpose, is expressed or implied since the method of application and its use is beyond our control. There are no warranties which extend beyond the description on the face hereof."

**Excludes Poxo Coat® Aluminum and Poxo Coat® II Seal

K. Coatings, LLC
32400 Aurora Road - P.O. Box 391699
Solon, Ohio 44139
Ph: (440) 248-8288 Fax (440) 349-2267

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