


COATINGS


POLYESTER POWDER COAT

Polyester Powder Coat is an electrostatically applied dry powder that melts and cures with heat to form a continuous and uniform coating. Properties include scratch and chip resistance, excellent outdoor protection, and good basic chemical resistance. Polyester is the most cost effective of all Powder Coatings.

 <i>DOVE GRAY</i> (standard)	PROPERTY	TEST METHOD	VALUE
	Gloss	ASTM D-523-94	85 minimum @ 60°
	Adhesion	ASTM D-3359-97	100% (5B Pass)
	Hardness	ASTM D-3363-92	H Pencil (Eagle)
	Impact Resistance	ASTM D-2794-93	60 In.-lbs. Direct
	Conical Mandrel	ASTM D-522-93	1/8" Mandrel - No Cracking
	Salt Spray	ASTM B-117-97	700 Hrs. Pass
	Humidity	ASTM D-2247-99	500 Hrs. - No Blisters
	Max Service Temp	N/A	200° F
	Coating Thickness	N/A	2-3 mils

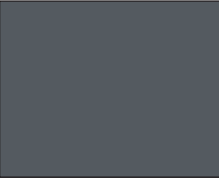
EPOXY POWDER COAT

Epoxy Powder Coat is an electrostatically applied dry powder that melts and cures with heat to form a continuous and uniform coating. Properties include scratch and chip resistance, and excellent chemical resistance. A UV top coat is required when finished product is exposed to sunlight.

 <i>LIGHT GRAY</i>	PROPERTY	TEST METHOD	VALUE
	Gloss	ASTM D-523-94	90 minimum @ 60°
	Adhesion	ASTM D-3359-97	100% (5B Pass)
	Hardness	ASTM D-3363-92	2H Pencil (Eagle)
	Impact Resistance	ASTM D-2794-93	80 In.-lbs. Direct
	Conical Mandrel	ASTM D-522-93	1/8" Mandrel - No Cracking
	Salt Spray	ASTM B-117-97	1000 Hrs. Pass
	Humidity	ASTM D-2247-99	1000 Hrs. Pass
	Max Service Temp	N/A	200° F
	Coating Thickness	N/A	2-3 mils

PHENOLIC EPOXY POWDER COATING

Phenolic Epoxy Powder Coat is an electrostatically applied dry powder that melts and cures with heat to form a continuous and uniform coating. Properties include scratch and chip resistance, and excellent chemical and corrosion resistance. A UV top coat is required when finished product is exposed to sunlight.

 <i>DARK GRAY</i>	PROPERTY	TEST METHOD	VALUE
	Gloss	ASTM D-523-94	90 minimum @ 60°
	Adhesion	ASTM D-3359-97	100% (5B Pass)
	Hardness	ASTM D-3363-92	2H Pencil (Eagle)
	Impact Resistance	ASTM D-2794-93	80 In.-lbs. Direct
	Conical Mandrel	ASTM D-522-93	1/8" Mandrel - No Cracking
	Salt Spray	ASTM B-117-97	1000 Hrs. Pass
	Humidity	ASTM D-2247-99	1000 Hrs. Pass
	Max Service Temp	N/A	200° F
	Coating Thickness	N/A	2-3 mils

For coating materials not listed please contact factory.


For more information contact your local PennBarry Sales Manufacturer Representative or visit us at www.PennBarry.com

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COATINGS


SILICONE ‘HI TEMP’ POWDER COAT

Silicone Powder Coat is electrostatically applied dry powder that melts and cures with heat to form a continuous and uniform coating. Specifically engineered to provide strong physical and good chemical resistant properties and maintain these properties when exposed to elevated temperatures.

 <i>BLACK</i>	PROPERTY	TEST METHOD	VALUE
	Gloss	ASTM D-523	5.0 - 9.0 @ 60°
	Adhesion	ASTM D-3359	Initial - 100% (5B Pass)
	Hardness	ASTM D-3363	2H Pencil (Eagle)
	Impact Resistance	ASTM D-2794	80 In.-lbs. Direct
	Conical Mandrel	ASTM D-522	1/8" Mandrel - No Cracking
	Salt Spray	ASTM B-117	1000 Hrs. Pass
	Humidity	ASTM D-1735	1000 Hrs. Pass
	Max Service Temp	N/A	800° F
	Coating Thickness	N/A	2-3 mils

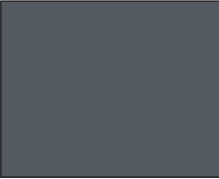
URETHANE ‘NON-STICK’ POWDER COAT

Urethane Powder Coat is electrostatically applied dry powder that melts and cures with heat to form a continuous and uniform coating. Specifically engineered to be non-stick and resist marking while providing good physical and chemical resistant properties.

 <i>CLEAR</i>	PROPERTY	TEST METHOD	VALUE
	Gloss	ASTM D-523-94	Visually High
	Adhesion	ASTM D-3359-97	100% (5B Pass)
	Hardness	ASTM D-3363-92	6H Pencil (Eagle)
	Impact Resistance	ASTM D-2794-93	10 In.-lbs. Direct
	Conical Mandrel	ASTM D-522-93	1/4" Mandrel - No Cracking
	Salt Spray	ASTM B-117-97	1000 Hrs. Pass
	Humidity	ASTM D-2247-99	1000 Hrs. Pass
	Max Service Temp	N/A	200° F
	Coating Thickness	N/A	2-3 mils

AIR DRY HERESITE®

Heresite® VR-500 Series air dry phenolic is a liquid coating with good resistance to most common solvents, organic and inorganic acids. Outstanding properties include excellent durability, good adhesion, good film building characteristics and flexibility. Recommended as a heavy duty coating for exposures to splash, spillage and fumes. A UV top coat is required to prevent chalking when finished product is exposed to sunlight.

 <i>DARK GRAY</i>	PROPERTY	TEST METHOD	VALUE
	Gloss	N/A	N/A
	Adhesion	N/A	N/A
	Hardness	ASTM D-3363	4H
	Impact Resistance	ASTM D-2794	≥25 In.-lbs. Direct
	Conical Mandrel	N/A	N/A
	Salt Spray	ASTM B-117	750 Hrs. Pass
	Humidity	N/A	N/A
	Max Service Temp	N/A	200° f
	Coating Thickness	ASTM 1186	2-4 mils

Heresite® is a registered trademark of Heresite® Protective Coatings.

For coating materials not listed please contact factory.


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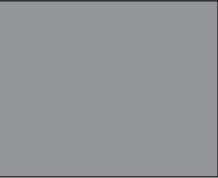
AIR DRY EPOXY

Epoxy is a durable coating required for corrosion, chemical and abrasion resistance. The dry film is resistant to bacterial attack. Common uses are laboratories, chemical processing equipment, schools, clean rooms, and marine applications. A UV top coat is required to prevent chalking when finished product is exposed to sunlight.

 <i>LIGHT GRAY</i>	PROPERTY	TEST METHOD	VALUE
	Gloss	N/A	N/A
	Adhesion	ASTM D-4541	1050 PSI
	Hardness	ASTM D-3363	F-H
	Impact Resistance	ASTM D-2794	95 In.-lbs. Direct
	Conical Mandrel	ASTM D-522	180° Bend - 1/4" Mandrel
	Salt Spray	ASTM B-117	2500 Hrs, Pass
	Humidity	ASTM D-4585	1000 Hrs., 100°F
	Max Service Temp	N/A	
	Coating Thickness	N/A	2-4 mils

AIR DRY ENAMEL

Enamel is a good basic coating at the most affordable price. This coating is commonly used for color matching in architectural applications. Coating is excellent in non-corrosive and non-chemical environments.

 <i>GRAY</i>	COLORS AVAILABLE TO MATCH POLYESTER POWDERCOAT COLORS ON PAGE 4		

Reference Guide

TECHNICAL PROPERTIES	POWDER COAT FINISH <i>(available in El Paso factory only)</i>					AIR DRY FINISH <i>(available in Lebanon factory only)</i>		
	Silicone	Epoxy	Phenolic Epoxy	Polyester	Urethane	Enamel	Epoxy	Heresite
Corrosion Resistance	Excellent	Excellent	Excellent	Excellent	Very Good	Fair	Excellent	Excellent
Chemical Resistance	Good	Excellent	Excellent	Good	Fair	Poor	Good	Good
Acid	Very Good	Very Good	Excellent	Fair	Fair	Poor	Excellent	Good
Alkaline	Fair	Very Good	Very Good	Fair	Fair	Poor	Excellent	Good
Solvent	Very Good	Excellent	Excellent	Good	Fair	Poor	Good	Fair
Humidity Resistance	Very Good	Excellent	Excellent	Excellent	Very Good	Fair	Good	Good
Exterior Durability	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Good	Poor

NOTES:

Epoxy, Phenolic Epoxy and Heresite require a UV topcoat for outdoor use to prevent chalking and/or coating deterioration.

All products are sold subject to PennBarry's standard Conditions Of Sale. The performance characteristics of any paint or coating vary according to end-use conditions that are beyond our control. PennBarry makes no warranty or guarantee, express or implied, as to the performance, longevity or suitability of any coating applied to our products. We warrant our material and workmanship and compliance with the coating manufacturer's application specifications only.

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COLOR GUIDE

AVAILABLE FINISH COLORS
POLYESTER POWDER COAT

			
#81 PALE BROWN	#83 CHOCOLATE BROWN	#85 TIMELESS BRONZE	#70 BLACK
			
#56 DOVE GRAY (Standard)	#73 SMOKE GRAY	#79 PEPPERCORN	#94 CHARCOAL
			
#61 PURE WHITE	#65 DOVER WHITE	#63 OXFORD BEIGE	#66 DESERT TAN
			
#77 BRICK RED	#53 WILLIAMSBURG BLUE	#55 PALE GREEN	#50 CHROME GREEN

Due to the limitations of the printing process, the colors shown may not be an exact match to actual finished product.

In cases where custom colors are required, a color sample must be sent to PennBarry for matching purposes. Consult factory for availability and pricing. Some colors require premium pricing.

Specifications are subject to change without notice.

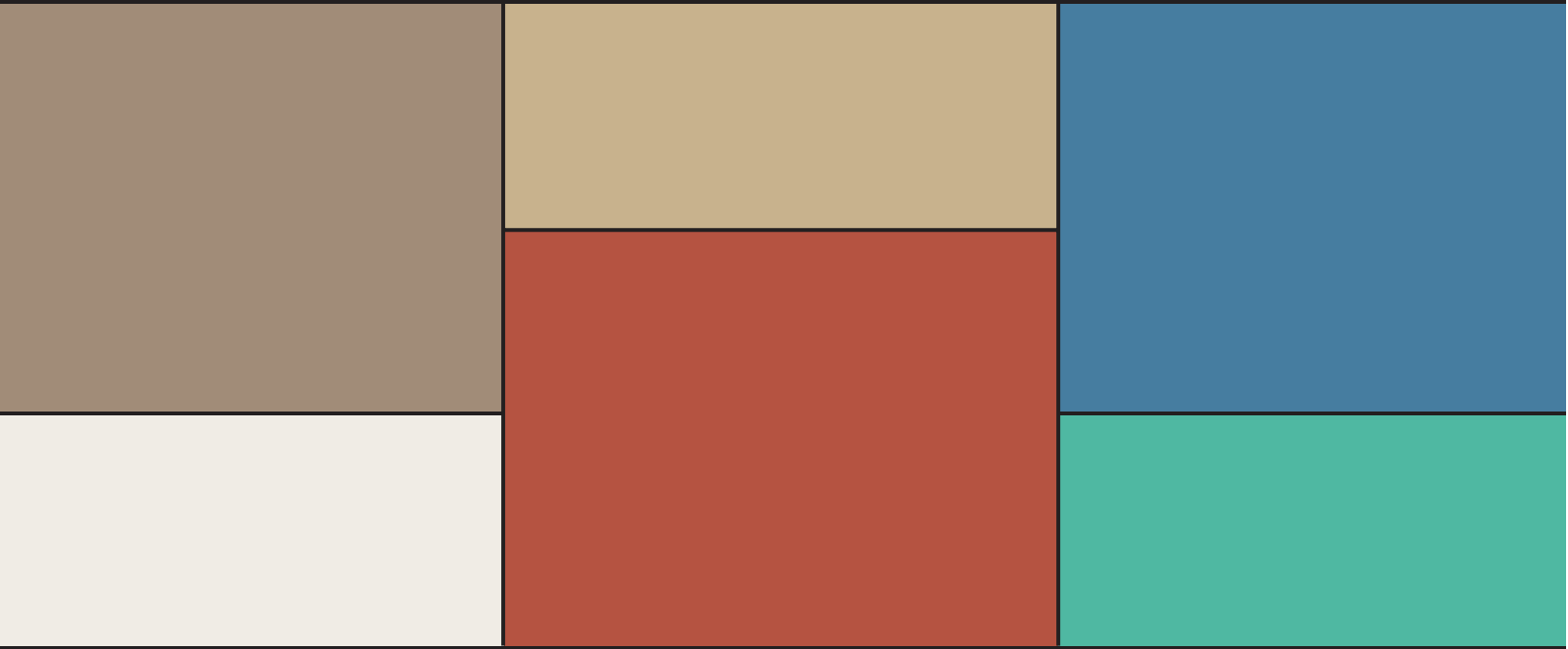


1401 North Plano Road
Richardson, Texas 75081
Phone: 972-234-3202
Fax: 972-497-0468

www.PennBarry.com

COLOR & COATING GUIDE >>

A Complete Selection Guide of
PennBarry Finishes



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