



# HEAVY DUTY PROTECTIVE COATINGS SYSTEM SELECTOR

## TABLE OF CONTENTS

Steel	Page 2
Galvanized/Aluminum	Page 3
Concrete/Masonry (Previously Coated)	Page 3
Concrete/Poured (New/Uncoated)	Page 4
Concrete/Porous Block (New/Uncoated)	Page 4
Fleet Transportation	Page 5
Floors	Page 5
Interior Steel Barjoist and Metal Decking	Page 5
Summary of Surface Preparation	Page 6
Product Index	Page 7

# SYSTEM SELECTOR

## Heavy Duty Protective Coatings



**How to use:** To select the proper coatings system, select the substrate which best represents your situation. Select the system for your environment, then select your desired finish. Review the system features to find the protective coating system which is most suited for your exposure. For complete information, consult the technical data sheet found in the Heavy Duty Protective Coatings specification guide.

SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
<b>STEEL</b>						
●	Epoxy/Epoxy	Mult-E-Poxy® 180	Mult-E-Poxy® 180	Semi-Gloss	SP-1 & SP-2 or SP-3 or SP-6	Self-priming 1 or 2 coat application over most existing coatings. Tolerant to tight rust. Excellent resistance to moisture and chemicals.
●	Epoxy/Epoxy	Mult-E-Poxy® 180	V-Tech® 240	Gloss	SP-1 & SP-2 or SP-3 or SP-6	System offers excellent resistance to moisture and chemicals. Surface tolerant to tight rust.
●	Epoxy/Epoxy	V-Tech® 500	V-Tech® 240	Gloss	SP-1 & SP-6	System offers excellent resistance to moisture and chemicals.
● <sup>1</sup>	Epoxy/Urethane	Mult-E-Poxy® 180	PinnAcle® 330HS	Gloss	SP-1 & SP-2, SP-3 or SP-6	System offers excellent color and gloss retention. Provides superior chemical and abrasion resistance. Surface tolerant to tight rust.
● <sup>1</sup>	Epoxy/Urethane	V-Tech® 500	PinnAcle® 330HS	Gloss	SP-1 & SP-6	Excellent color and gloss retention. Superior chemical and abrasion resistance.
■	Epoxy/Acrylic Epoxy	V-Tech® 500	V-Cote® 131	Gloss/Semi-Gloss	SP-1 & SP-6	Superior hi-build system which offers good moisture and chemical resistance.
■ <sup>1</sup>	Epoxy/Acrylic	Mult-E-Poxy® 180	V-Cote® 222	Semi-Gloss	SP-1 & SP-2 or SP-3	System offers high performance in moderate environments. Great color and gloss retention.
■ <sup>1</sup>	Epoxy/Acrylic	V-Tech® 500	V-Cote® 222	Semi-Gloss	SP-1 & SP-6	Superior hi-build system. Excellent flexibility, color and gloss retention.
● <sup>1</sup>	Zinc/Urethane	V-Tech® 768	PinnAcle® 330HS	Gloss	SP-1 and SP-6	Provides greatest level of corrosion resistance. Excellent color and gloss retention. Provides superior chemical and abrasion resistance.
■ <sup>1</sup>	Zinc/Urethane	1st ct V-Tech® 705 2nd ct V-Tech® 500	PinnAcle® 330HS	Gloss	SP-1 & SP-6	Provides cathodic protection with superior chemical and abrasion resistance. Excellent color and gloss retention.
▲	Alkyd/Alkyd	V-Tech® 600	CoteALL® Enamel	Gloss	SP-1 & SP-6	User friendly for in-house maintenance. Variety of colors in primers and finishes. Good color and gloss retention.
▲	Alkyd/Alkyd	CoteALL® Primer	CoteALL® Enamel	Gloss	SP-1 & SP-6	User friendly for in-house maintenance. Variety of colors in primers and finishes. Good color and gloss retention.
▲	Silicone Alkyd/ Silicone Alkyd	AZ-2402 CoteALL® High Heat Aluminum	AZ-2402 CoteALL® High Heat Aluminum	Low Gloss	SP-1 & SP-10	Resists temperatures up to 1200° F. Interior or exterior exposure. Bright Aluminum color.
▲ <sup>1</sup>	Alkyd/Acrylic	V-Tech® 600	V-Cote® 222	Semi-Gloss	SP-1 & SP-6	User friendly for in-house maintenance. Variety of colors in primers and finishes. Offers excellent color and gloss retention.
▲ <sup>1</sup>	Alkyd/Acrylic	CoteALL® Primer	V-Cote® 222	Semi-Gloss	SP-1 & SP-6	User friendly for in-house maintenance. Variety of colors in primers and finishes. Offers excellent color and gloss retention.
▲ <sup>1</sup>	Acrylic/Acrylic	V-Cote® 200	V-Cote® 222	Semi-Gloss	SP-1 & SP-6	Environmentally friendly system for in-house maintenance. Variety of colors in primers and finishes. Excellent flexibility, color and gloss retention.

### STEEL - WATER IMMERSION (Non-Potable)

●	Epoxy/Epoxy	Mult-E-Poxy® 180	Mult-E-Poxy® 180	Semi-Gloss	SP-1 & SP-10	Excellent performance in immersion service (non-potable freshwater). Performs well in some chemical solutions in immersion conditions.
---	-------------	------------------	------------------	------------	--------------	--

- Severe Environments: Frequent fumes and spillage of strong chemicals including acids, alkalis and solvents. Constant high humidity and moisture conditions. Frequent chemical cleaning.
- Moderate Environments: Frequent fumes and spillage of mild chemicals. Intermittent humidity and moisture, mold and mildew conditions. Occasional chemical cleaning.
- ▲ Outdoor weathering and/or mild industrial fumes, normal humidity.
- <sup>1</sup> In addition to being a good system for the above noted environment, it also exhibits excellent gloss and color retention when exposed to outdoor weather conditions.

# SYSTEM SELECTOR

## Heavy Duty Protective Coatings



SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
<b>GALVANIZED/ALUMINUM</b>						
●	Epoxy/Epoxy	Mult-E-Poxy® 180	Mult-E-Poxy® 180	Semi-Gloss	SP-1 & SP-2, SP-3 or SP-7	Self-priming 1 or 2 coat application over most existing coatings. Tolerant to tight rust. Excellent resistance to moisture and chemicals.
●	Epoxy/Epoxy	Mult-E-Poxy® 180	V-Tech® 240	Gloss	SP-1 & SP-2, SP-3 or SP-7	System offers excellent resistance to moisture and chemicals. Surface tolerant to tight rust.
●	Epoxy/Epoxy	V-Tech® 500	V-Tech® 240	Gloss	SP-1 & SP-2, SP-3 or SP-7	System offers excellent adhesion. Excellent moisture and chemical resistance.
● <sup>1</sup>	Epoxy/Urethane	Mult-E-Poxy® 180	PinnAcle® 330HS	Gloss	SP-1 & SP-2, SP-3 or SP-7	Excellent color and gloss retention. Provides superior chemical and abrasion resistance. Offers good moisture resistance.
● <sup>1</sup>	Epoxy/Urethane	V-Tech® 500	PinnAcle® 330HS	Gloss	SP-1 & SP-2, SP-3 or SP-7	System offers excellent color and gloss retention. Provides superior chemical and abrasion resistance.
■ <sup>1</sup>	Epoxy/Acrylic	Mult-E-Poxy® 180	V-Cote® 222	Semi-Gloss	SP-1 & SP-2 or SP-3	System offers high performance in moderate environments. Excellent color and gloss retention.
■ <sup>1</sup>	Epoxy/Acrylic	V-Tech® 500	V-Cote® 222	Semi-Gloss	SP-1 & SP-2 or SP-3	Superior hi-build system. Excellent flexibility, color and gloss retention.
■ <sup>1</sup>	Zinc/Zinc	V-Tech® 703	V-Tech® 703	Semi-Gloss	SP-1 & SP-2 or SP-3	Rust inhibitive metallic zinc coating system with excellent adhesion. Gives the appearance of a new galvanized finish.
■ <sup>1</sup>	Zinc/Acrylic	V-Tech® 700	V-Cote® 222	Semi-Gloss	SP-1 & SP-2 or SP-3	Surface tolerant to rusted galvanized. Provides galvanic protection. Excellent gloss and color retention.
▲	Alkyd/Alkyd	V-Tech® 600	CoteALL®	Gloss	SP-1 & SP-2 or SP-3	User friendly for in-house maintenance. Variety of colors in primers and finishes. Good color and gloss retention.
▲ <sup>1</sup>	Alkyd/Acrylic	V-Tech® 600	V-Cote 222	Semi-Gloss	SP-1 & SP-2 or SP-3	User friendly for in-house maintenance. Variety of colors in primers and finishes. Offers excellent color and gloss retention.
▲	Acrylic/Acrylic Epoxy	V-Cote® 200	V-Cote® 131	Gloss/Semi-Gloss	SP-1 & SP-2 or SP-3	Environmentally friendly system with good flexibility, moisture and chemical resistance.
▲ <sup>1</sup>	Acrylic/Acrylic	V-Cote® 200	V-Cote® 222	Semi-Gloss	SP-1 & SP-2 or SP-3	Environmentally friendly system for in-house maintenance. Excellent flexibility, color and gloss retention.

SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
<b>CONCRETE/MASONRY (Previously Coated)</b>						
●	Epoxy/Epoxy	Mult-E-Poxy® 180	Mult-E-Poxy® 180	Semi-Gloss	Clean & Abrade or Acid Etch	Self-priming and surface tolerant over most existing coatings. Excellent resistance to moisture and chemicals.
●	Epoxy/Epoxy	Mult-E-Poxy® 180	V-Tech® 240	Gloss	Clean & Abrade or Acid Etch	System offers excellent resistance to moisture and chemicals. Surface tolerant over most existing coatings.
● <sup>1</sup>	Epoxy/Urethane	Mult-E-Poxy® 180	PinnAcle® 330HS	Gloss	Clean & Abrade or Acid Etch	System offers excellent color and gloss retention. Provides superior chemical and abrasion resistance.
■ <sup>1</sup>	Epoxy/Acrylic	Mult-E-Poxy® 180	V-Cote® 222	Semi-Gloss	Clean & Abrade or Acid Etch	System offers high performance in moderate environments. Great color and gloss retention.
■	Acrylic/Acrylic Epoxy	V-Cote® 200	V-Cote® 131	Gloss/Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system with good flexibility, moisture and chemical resistance.
▲ <sup>1</sup>	Acrylic/Acrylic	V-Cote® 200	V-Cote® 222	Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system for in-house maintenance. Excellent flexibility, color and gloss retention.

- Severe Environments: Frequent fumes and spillage of strong chemicals including acids, alkalis and solvents. Constant high humidity and moisture conditions. Frequent chemical cleaning.
- Moderate Environments: Frequent fumes and spillage of mild chemicals. Intermittent humidity and moisture, mold and mildew conditions. Occasional chemical cleaning.
- ▲ Outdoor weathering and/or mild industrial fumes, normal humidity.
- 1 In addition to being a good system for the above noted environment, it also exhibits excellent gloss and color retention when exposed to outdoor weather conditions.

# SYSTEM SELECTOR

## Heavy Duty Protective Coatings



SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
<b>CONCRETE/POURED (New/Uncoated)</b>						
●	Epoxy/Epoxy	Multi-E-Poxy® 180	Multi-E-Poxy® 180	Semi-Gloss	Clean & Abrade or Acid Etch	Self-priming system with excellent resistance to moisture and chemicals.
●	Epoxy/Epoxy	Multi-E-Poxy® 180	V-Tech® 240	Gloss	Clean & Abrade or Acid Etch	System offers excellent resistance to moisture and chemicals.
● <sup>1</sup>	Epoxy/Urethane	Multi-E-Poxy® 180	PinnAcle® 330HS	Gloss	Clean & Abrade or Acid Etch	System offers excellent color and gloss retention. Superior chemical and abrasion resistance.
■ <sup>1</sup>	Epoxy/Acrylic	Multi-E-Poxy® 180	V-Cote® 222	Semi-Gloss	Clean & Abrade or Acid Etch	System offers high performance in moderate environments. Great color and gloss retention.
■	Acrylic/Acrylic Epoxy	V-Cote® 200	V-Cote® 131	Gloss/Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system with good flexibility, and moisture and chemical resistance.
▲ <sup>1</sup>	Acrylic/Acrylic	V-Cote® 200	V-Cote® 222	Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system for in-house maintenance. Excellent flexibility, color and gloss retention.

<b>CONCRETE/WATER IMMERSION (Non-Potable)</b>						
●	Epoxy/Epoxy	Multi-E-Poxy® 180	Multi-E-Poxy® 180	Semi-Gloss	Acid Etch or Abrasive Blast	Excellent performance in immersion service (non-potable freshwater). Performs well in some chemical solutions in immersion conditions.

SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
<b>CONCRETE/POROUS BLOCK (New/Uncoated)</b>						
●	Epoxy/Epoxy	Multi-E-Poxy® 180	Multi-E-Poxy® 180	Semi-Gloss	Clean & Abrade or Acid Etch	Self-priming system with excellent resistance to moisture and chemicals.
●	Epoxy/Epoxy	Multi-E-Poxy® 180	V-Tech® 240	Gloss	Clean & Abrade or Acid Etch	System offers excellent resistance to moisture and chemicals.
● <sup>1</sup>	Epoxy/Urethane	Multi-E-Poxy® 180	PinnAcle® 330HS	Gloss	Clean & Abrade or Acid Etch	System offers color and gloss retention. Superior chemical and abrasion resistance.
●	Epoxy Block Filler/Epoxy	V-Cote® 100	Multi-E-Poxy® 180	Semi-Gloss	Clean & Abrade or Acid Etch	Excellent hi-build, moisture resistant system. Develops a smooth finish on rough, porous surfaces.
■	Epoxy Block Filler/Epoxy	V-Cote® 100	V-Cote® 131	Gloss/Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system that exhibits good flexibility, moisture and chemical resistance. Also provides good color and gloss retention. Develops a smooth finish on rough, porous surfaces.
● <sup>1</sup>	Epoxy Block Filler/Urethane	V-Cote® 100	PinnAcle® 330HS	Gloss	Clean & Abrade or Acid Etch	Excellent hi-build, moisture resistant system. Excellent gloss and color retention. Develops a smooth finish on rough, porous surfaces.
■	Acrylic Block Filler/Epoxy	Permafil	V-Cote® 131	Gloss/Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system that exhibits good moisture and chemical resistance. Excellent flexibility, color and gloss.
■ <sup>1</sup>	Acrylic Block Filler/Acrylic	Permafil	V-Cote® 222	Semi-Gloss	Clean & Abrade or Acid Etch	Environmentally friendly system that exhibits good flexibility, moisture and chemical resistance.
■	Rubber/Rubber	V-Tech® 801	V-Tech® 801	Flat	Clean & Abrade or Acid Etch	A rubberized masonry system designed to give exceptional durability, alkali and moisture resistance.

● Severe Environments: Frequent fumes and spillage of strong chemicals including acids, alkalis and solvents. Constant high humidity and moisture conditions. Frequent chemical cleaning.  
 ■ Moderate Environments: Frequent fumes and spillage of mild chemicals. Intermittent humidity and moisture, mold and mildew conditions. Occasional chemical cleaning.  
 ▲ Outdoor weathering and/or mild industrial fumes, normal humidity.  
 1 In addition to being a good system for the above noted environment, it also exhibits excellent gloss and color retention when exposed to outdoor weather conditions.

# SYSTEM SELECTOR

## Heavy Duty Protective Coatings



SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
-----------	-------------	-------------	-------------	--------	--------------	-----------------

### **FLEET TRANSPORTATION (Weather Protection, Road Salt, Grime and Chemicals)**

● <sup>1</sup>	Epoxy/Urethane	Mult-E-Poxy® 180	PinnAcle® 330HS	Gloss	SP-1 and SP-6	Excellent hi-build characteristics. Superior abrasion resistance. Excellent color and gloss retention.
● <sup>1</sup>	Urethane/Urethane	Stratum® Primer	PinnAcle® 330HS	Gloss	SP-1 and SP-6	Maximum chip and abrasion resistance. High gloss finish. Variety of colors in primers and finishes. Superior chemical resistance. Excellent color and gloss retention.
● <sup>1</sup>	Urethane/Urethane	Stratum® Primer	PinnAcle® 460	Gloss	SP-1 and SP-6	Excellent chip resistant system that gives a "wet" look, high gloss finish. Variety of colors in primers and finishes. Superior chemical resistance. Excellent color and gloss retention.

SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
-----------	-------------	-------------	-------------	--------	--------------	-----------------

### **FLOORS (Concrete Floors exposed to Rubber-tired Vehicles and Foot Traffic as well as Moisture, Chemicals Spills and Chemical Cleaning.)**

●	Epoxy/Epoxy	Mult-E-Poxy® 180	Mult-E-Poxy® 180	Semi-Gloss	Clean & Abrade or Acid Etch	Self-priming system with excellent resistance to moisture and chemicals. Great adhesion properties.
●	Epoxy/Urethane	Mult-E-Poxy® 180	PinnAcle® 330HS	Gloss	Clean & Abrade or Acid Etch	Excellent adhesion with outstanding chemical and abrasion resistance. Excellent color and gloss retention.
■	Epoxy/Moisture Cure Urethane	V-Tech® 505	Miracle Glaze	Gloss	Clean & Abrade or Acid Etch	System offers high performance for heavy foot and light rubber wheeled traffic areas. Not intended for wet environments or outdoor exposure.

SUBSTRATE	SYSTEM TYPE	PRIMER COAT	FINISH COAT	FINISH	SURFACE PREP	SYSTEM FEATURES
-----------	-------------	-------------	-------------	--------	--------------	-----------------

### **INTERIOR STEEL BARJOIST AND METAL DECKING (Dryfall System)**

▲	Latex		V-Cote® 300	Flat	SP2 and/or SP3 or SP7	A fast dry flat latex dri-mist finish exhibiting great fall out characteristics.
▲	Latex		V-Cote® 303	Semi-Gloss	SP2 and/or SP3 or SP7	A fast dry semi-gloss latex dri-mist finish exhibiting great fall out characteristics.
▲	Alkyd		V-Tech® 325	Flat	SP1, SP2 or SP3, or SP7	A fast dry flat alkyd dri-mist finish exhibiting great fall out characteristics.
▲	Alkyd		V-Tech® 350	Semi-Gloss	SP1, SP2 or SP3, or SP7	A fast dry semi-gloss alkyd dri-mist finish exhibiting great fall out characteristics.
▲	Alkyd		V-Tech® 355	Eggshell	SP1, SP2 or SP3, or SP7	A fast dry eggshell, low odor alkyd dri-mist finish exhibiting great fall out characteristics.

### **GALVANIZED METAL (Dryfall System)**

▲	Latex		V-Cote® 300	Flat	SP2 or SP3 or SP7	A fast dry flat latex dri-mist finish exhibiting great fall out characteristics.
▲	Latex		V-Cote® 303	Semi-Gloss	SP2 or SP3 or SP7	A fast dry semi-gloss latex dri-mist finish exhibiting great fall out characteristics.

- Severe Environments: Frequent fumes and spillage of strong chemicals including acids, alkalis and solvents. Constant high humidity and moisture conditions. Frequent chemical cleaning.
- Moderate Environments: Frequent fumes and spillage of mild chemicals. Intermittent humidity and moisture, mold and mildew conditions. Occasional chemical cleaning.
- ▲ Outdoor weathering and/or mild industrial fumes, normal humidity.
- 1 In addition to being a good system for the above noted environment, it also exhibits excellent gloss and color retention when exposed to outdoor weather conditions.

### SUMMARY OF SURFACE PREPARATION STEEL SURFACES

Steel should be cleaned by one or more of the following surface preparation methods described. These methods were originally established by the Society for Protective Coatings (formerly the Steel Structures Painting Council).

#### **SP1: SSPC-SP 1 SOLVENT CLEANING**

Solvent cleaning is used primarily to remove oil, grease, dirt, soil, drawing compounds and other similar organic compounds.

#### **SP2: SSPC-SP 2 HAND TOOL CLEANING**

A surface prepared with hand tools requires that all loose mill scale, loose rust, loose paint and other loose foreign material be removed. It is not intended to remove adherent mill scale, rust and paint. Material is considered to be adherent if they can not be removed by lifting with a dull putty knife.

#### **SP3: SSPC-SP 3 POWER TOOL CLEANING**

A surface prepared with power tools requires that all loose mill scale, loose rust, loose paint and other loose foreign material be removed. It is not intended to remove adherent mill scale, rust and paint or to produce a surface profile. Material is considered to be adherent if they can not be removed by lifting with a dull putty knife. Types of power tools used are generally impact or rotary power tools.

#### **SP5: SSPC-SP 5 WHITE METAL BLAST CLEANING**

Removal of all visible rust, mill scale, paint, and foreign matter by blast cleaning by wheel of nozzle (dry or wet) using sand, grit, or shot.

#### **SP6: SSPC-SP 6 COMMERCIAL BLAST CLEANING**

A surface prepared according to SSPC-SP-6-85 requires that the surface, when viewed, be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Light staining due to rust, mill scale, and previous coatings may remain on no more than 33% of each square inch of surface area. The profile produced by blasting should be controlled by the selection

of blast media and should not exceed the filling capacity of the primer to be applied.

#### **SP7: SSPC-SP 7 BRUSH-OFF BLAST CLEANING**

A surface prepared according to SSPC-SP-7-85 requires that the surface, when viewed, be free of all visible oil, grease, dirt, dust, loose rust, loose mill scale, and loose coatings. It is not intended to remove tightly bonded mill scale, sound rust or adherent coatings. A Brush-off Blast may also be used to abrade a previous coating, providing a surface profile for new coating application.

#### **SP8: SSPC-SP 8 PICKLING**

Complete removal of rust and mill scale by acid pickling, duplex pickling, or electrolytic pickling.

#### **SP10: SSPC-SP 10 NEAR-WHITE BLAST CLEANING**

A surface prepared according to SSPC-SP-10-85 requires that the surface, when viewed, be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Light staining due to rust, mill scale, and previous coatings may remain on no more than 5% of each square inch of surface area.

#### **SP11: SSPC-SP-11 POWER TOOL CLEANING TO BARE METAL**

Power Tool Cleaning to bare metal may be used to prepare the surface. The prepared surface will be free of all visible oil, grease, dirt, rust, paint, and other foreign matter. Residues of rust and paint may be left in the pits of the surface. This method may be used to produce a surface profile in small areas. Surface cleaning power tools are generally impact or profile producing power tools.

### SUMMARY OF SURFACE PREPARATION GALVANIZED SURFACES

Galvanized metal is iron or steel with a 2 - 3 mil (DFT) coating of zinc metal. This process which is called Hot Dip Galvanizing is done at the fabrication mill. Galvanized steel normally comes from the mill chemically treated, or passivated, to prevent white rusting or oxidation of the galvanized surface during the time it is being stored or shipped to the project site.

#### **PREPARING GALVANIZED METAL**

The only two ways to prepare a passivated galvanized steel surface for painting is to thoroughly scrub with a phosphoric acid solution and thoroughly rinse with clean water or you can abrasive brush blast the new galvanized metal surface

removing the treatment.

Always apply a test patch of the coating to the galvanized surface to be painted to determine if you are getting proper adhesion.

### SUMMARY OF SURFACE PREPARATION CONCRETE SURFACES

Scrape all loose, peeling and cracked paint off surfaces. Remove any paint that is not tightly adhering. Feather all edges of remaining paint film.

#### **PREPARING A CONCRETE SLAB**

**Test for Curing Compound** by applying a muriatic acid solution to bare concrete. If the solution does not react (bubble vigorously) when in contact with the concrete, the presence of a curing compound is indicated.

**Test for Grease** by pouring a small amount of water on the floor. If it beads up, oil and/or grease is present.

**Test for Moisture** by taping a 2'x 2' plastic sheet over different areas of the floor. Examine the plastic after 24 hours for signs of moisture.

**Test Adhesion of Previous Coatings** by cutting 2" x 2" "X" cross-hatches into remaining coatings. Then apply 6" stripes of duct tape over the "X's" and press the duct tape firmly onto the floor and then quickly pull it off. Examine the tape for removal of coatings.

**DEGREASE A CONCRETE FLOOR** by dampening the concrete surface

and then applying a suitable cleaner/degreaser. Allow to soak for 15 to 20 minutes. Keep the surface wet by adding water while scrubbing the solution over the entire floor. Rinse floor thoroughly.

#### **PREPARING A CONCRETE FLOOR BY ACID ETCHING**

Apply a 1:1 solution of muriatic acid and water through a sprinkling device. The acid should bubble vigorously when applied to the concrete. Allow reaction between solution and concrete to occur for approximately 3-5 minutes, then follow with a stiff broom or mechanical scrubber to remove surface laitance. Rinse the etched surface with clean water, preferably with a high pressure washer.

#### **PREPARING A CONCRETE FLOOR BY SHOT BLASTING**

Shot blast to produce a 3 - 4 mil profile on the concrete floor. The shot blasting machine must be equipped with a vacuum system to recover shot and to reduce airborne dust and contaminants.

# HEAVY DUTY PROTECTIVE COATINGS INCLUDED IN THE HEAVY DUTY PROTECTIVE COATINGS SYSTEM SELECTOR

## ALPHABETICAL PRODUCT NAME LISTING

Product Number	Product Name	Product Type	Tab Location
AZ-2401	CoteALL® Aluminum	Alkyd	Alkyd
AZ-2402	CoteALL® Hi-Heat Aluminum	Silicone Alkyd	Alkyd
AZ-Series	CoteALL® Multi-Purpose Enamel	Alkyd	Alkyd
AZ-Series	CoteALL® Primer	Alkyd	Alkyd
LG-0414	Miracle Glaze	Polyurethane	Polyurethane
LG-Series	Multi-E-Poxy® 180	Epoxy	Epoxy
BF-1501	Permafil Acrylic Block Filler	Acrylic	Latex
IG-Series	PinnAcle® 330HS	Polyurethane	Polyurethane
IG-Series	PinnAcle® 460	Polyurethane	Polyurethane
PG-Series	Stratum® Primer	Polyurethane	Polyurethane
MC-1234	V-Cote® 100 Acrylic Epoxy Block Filler	Acrylic Epoxy	Block Fillers
MC-Series	V-Cote® 131 Acrylic Epoxy	Epoxy	Epoxy
MC-1501	V-Cote® 200 Acrylic Maintenance Primer/Finish	Acrylic	Latex
MC-Series	V-Cote® 222 Acrylic Maintenance S/G	Acrylic	Acrylic
MV-1518	V-Cote® 300 Latex Dri-Mist Flat	Acrylic	Acrylic
MV-1520	V-Cote® 303 Latex Dri-Mist Semi-Gloss	Acrylic	Acrylic
LF-1241	V-Tech® 240 Gloss Epoxy	Epoxy	Epoxy
LB-1625	V-Tech® 325 Alkyd Dri-Mist Flat	Alkyd	Alkyd
LB-1620	V-Tech® 350 Alkyd Dri-Mist Semi-Gloss	Alkyd	Alkyd
LB-1604	V-Tech® 355 Alkyd Dri-Mist Eggshell	Alkyd	Alkyd
LF-Series	V-Tech® 500 Hi-Build Epoxy Primer	Epoxy	Epoxy
LF-0209	V-Tech® 505 Epoxy Concrete Primer	Epoxy	Epoxy
LU-Series	V-Tech® 600 Quick Dry Universal Primer	Alkyd	Alkyd
PB-0411	V-Tech® 700 Metallic Zinc Dust Primer	Zinc	Zinc
PB-2416	V-Tech® 703 Brite Cold Galvanizing Finish	Zinc	Zinc
PL-0512	V-Tech® 705 Organic Zinc Rich Primer	Zinc	Zinc
LF-0255	V-Tech® 768 Zinc Rich Epoxy Primer	Zinc	Zinc
AF-1410	V-Tech® 801 Rubberized Masonry Coating	Rubber	Specialty Coatings



