

**ARMORGUARD EPOXY SYSTEM  
 WILL SAFELY PROTECT YOUR SUBSTRATES  
 FROM CORROSION AND CHEMICAL ATTACK**

Induron's **Armorguard Epoxy System** consists of a rapid dry, low VOC, two component epoxy primer and a high gloss or semi-gloss two component epoxy finish coat which is available in a wide variety of attractive colors. Both products have less than 3.8 lb/gallon VOC, no chromates, lead or other heavy metals and a convenient one-to-one by volume blend ratio. See Induron Technical Data Sheets 115, 255 and 257 for details on these products.

**Armorguard P 14 Primer** is formulated for excellent corrosion resistance and rapid recoating to allow two coats to be applied in a single workday. Armorguard Primer can be applied up to 5.0 dry mils film thickness in a single coat and exhibits outstanding adhesion to sandblasted steel.

**Armorguard Epoxy** finish coat cures to a high gloss or semi-gloss finish. This product meets the requirements of the U. S. Department of Agriculture for use in areas where incidental food contact occurs. This product meets the requirements of ANSI/AWWA D102-03 Outside System No. 5 for first coat and intermediate coat. Armorguard epoxies can be topcoated with Induron Indurethane in areas where color and gloss retention are of primary concerns.

**Use the Induron Armorguard System to Protect and Beautify**

- STRUCTURAL STEEL • TANKS • PUMPS • MACHINERY • FLOORS
- BRIDGES • EQUIPMENT • WALLS • PIPING • CONCRETE

or most any surface requiring a high performance polyamide epoxy coating system.

**ARMORGUARD EPOXY SYSTEM EXPOSURES**

EXPOSURE	FUMES	SPLASH AND SPILLAGE	IMMERSION
Water(Non-Potable)	Excellent	Excellent	Excellent
Concentrated Mineral Acids > 20%	NR	NR	NR
Dilute Mineral Acids < 20%	Good	Fair	NR
Organic Acids	NR	NR	NR
Alkalis	Excellent	Excellent	Excellent
Aromatic Hydrocarbons	Excellent	Good	NR
Fuels	Excellent	Excellent	Very Good
Salt Water	Very Good	Very Good	Very Good

## ARMORGUARD EPOXY SYSTEM

Armorguard P 14 Epoxy Primer	Armorguard Polyamide Epoxy
<p><b>Induron Armorguard Epoxy Primer</b> is a two component, polyamide cured epoxy, high build, rust inhibitive primer. This product is formulated for excellent resistance to abrasive and corrosive environments. It will cure to provide excellent barrier and inhibitive properties when applied to properly prepared steel and iron surfaces. It is free of lead and chromates. See Technical Data Sheet 115 for additional information.</p> <p>VOLUME SOLIDS: 51% ± 1%                      WEIGHT SOLIDS: 74% ± 1%                      DRY TO HANDLE: 1 hour @ 80°F                      COLOR: Red or Tan • GLOSS: Satin                      VOLATILE ORGANIC CONTENTS:                      Mixed unthinned: &lt;3.5 lbs/gallon; &lt;420 g/l                      Mixed thinned 10%: &lt;3.8 lbs/gallon; &lt;450 g/l</p>	<p><b>Induron Armorguard Polyamide Epoxy</b> is a two component polyamide cured epoxy high build coating formulated for excellent resistance to cor-rosive and abrasive environments. This product is available in a wide range of attractive colors. Armorguard Polyamide Epoxy is lead and chromate free and is available in a semi-gloss or high gloss finish. See Technical Data Sheet 255 or 257 for additional information.</p> <p><b>HIGH GLOSS SEMI-GLOSS</b>                      VOLUME SOLIDS: 51% ± 1% 55% ± 1%                      WEIGHT SOLIDS: 64% ± 1% 71% ± 1%                      DRY TO HANDLE: 7 hours @ 80°F 7 hours @ 80°F                      COLOR: All All                      VOLATILE ORGANIC CONTENTS:                      Mixed unthinned: &lt;3.5 lbs/gal; &lt;420 g/l &lt;3.2 lbs/gal; &lt;380 g/l                      Mixed thinned 10%: &lt;3.8 lbs/gal; &lt;450 g/l &lt;3.5 lbs/gal; &lt;420 g/l</p>

### PERFORMANCE DATA

#### SYSTEM: 1 COAT ARMORGUARD P 14 PRIMER ONLY

TEST	METHOD	DURATION	RESULTS
Salt Spray	ASTM B 117	2000 Hours	<1/8" Undercut, No Face or Scribe Blisters, No Face Rust

#### SYSTEM: 3-5 MILS ARMORGUARD P 14 PRIMER 3-5 MILS ARMORGUARD EPOXY SUBSTRATE: SANDBLASTED STEEL

TEST	METHOD	DURATION	RESULTS
Adhesion, Cross Hatch	ASTM 3359		5A-No Failure
Spot Testing	17.5% Hydrochloric Acid	24 Hours	Slight Discoloration
	20% Sulfuric Acid	24 Hours	No Effect
Immersion	Distilled Water	2,880 Hours	No Effect
	Jet Fuel	2,880 Hours	No Effect
	25% Sodium Hydroxide	2,880 Hours	No Effect
	3% Sulfuric Acid	2,880 Hours	No Effect

#### SYSTEM: 5 mils Armorguard P 14 Primer 5 mils Armorguard Epoxy | 2.5 mils Indurethane 5500 Enamel

TEST	METHOD	DURATION	RESULTS
Direct Impact	ASTM D 2794	100 in./lbs.	No Failure
Mandrel Bend	ASTM D 522	1/8" Dia.	No Failure
Intercoat Adhesion	ASTM D 3359	Cross Hatch and Tape	5B Rating- No Adhesion Lost
QUV Exposure			
Ultraviolet Type B Bulbs	ASTM G53	1,544 Hours	94% Gloss Retained
Ultraviolet Type A Bulbs		4,500 Hours	98% Gloss Retained