



**PROTECTIVE COATINGS**

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**TECHNICAL DATA**

**PERMA-CLEAN II EPOXY SYSTEM**

**PERMA-CLEAN II**

**PROTECTS YOUR SUBSTRATES FROM CORROSION AND CHEMICAL ATTACK.**

**ABOUT THE PERMA-CLEAN II SYSTEM...**

Induron's Perma-Clean II is a durable two-component, high solids, chemical and corrosion resistant epoxy coating system cured with an extremely effective polyamidoamine resin.

Perma-Clean II gives a variety of substrates outstanding protection from severe environments. Use Perma-Clean II as a system to get the maximum benefit for substrate protection.

Perma-Clean II features a primer, a semi-gloss product for use as an intermediate or finish coat, and a high gloss finish—all made with a special curing agent which exhibits the benefits of both polyamide and amine cured systems. Other Induron finish coats may be used to meet specific requirements such as excellent gloss and color retention during exterior exposure.

**Perma-Clean II is available:**

In a tan or red primer, a white or pastel semi-gloss intermediate/finish and a high gloss finish coat available in a wide range of colors. You can use **Perma-Clean II** on surfaces such as:

- Steel
- Concrete
- Concrete Floors
- Masonry
- Suitably prepared drywall
- Anywhere high-build, high-solids, chemical and corrosion resistant coatings are desired.

**Perma-Clean II is recommended for industrial environments including:**

- Chemical processing plants
- Power plants
- Offshore oil and gas equipment
- Laboratories
- Paper and pulp mills
- Structural steel
- Other aggressive environments
- Fresh or wastewater treatment plants

<b>Perma-Clean II Exposure Reaction</b>			
<b>EXPOSURE</b>	<b>SPLASH AND SPILLAGE</b>	<b>FUMES</b>	<b>IMMERSION</b>
Concentrated Mineral Acids >3%	Fair	Good	NR
Dilute Mineral Acids <3 %	Good	Excellent	Good
Organic Acids	NR	Fair	NR
Alkalis	Excellent	Excellent	Excellent
Aliphatic Hydrocarbon Solvents & Fuels	Very Good	Excellent	Very Good
Aromatic Hydrocarbons	Very Good	Excellent	NR
Aqueous Solutions of Inorganic Compounds	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent

## Perma-Clean II System

PERMA-CLEAN II PRIMER	PERMA-CLEAN II SEMI-GLOSS EPOXY	PERMA-CLEAN II HIGH GLOSS EPOXY
A two component, high solids, chemical and corrosion resistant polyamidoamine epoxy primer formulated for use as part of the Perma-Clean II System. Available in tan or red colors.	A two component, high solids, semi-gloss, polyamidoamine epoxy formulated for excellent substrate protection in severe environments. Available in a wide variety of colors. Perma-Clean II Semi-Gloss Epoxy may be used as an intermediate or finish coat.	A two-component, high solids, high gloss, polyamidoamine epoxy finish formulated for excellent substrate protection in severe environments. Available in a wide variety of colors. For maximum benefit, this product is to be used as part of a system, also featuring Perma-Clean II Primer and Perma-Clean II Semi-Gloss.

**Perma-Clean II** products meet the requirements of the Food Safety and Inspection Service of the U. S. Department of Agriculture as chemically acceptable for use in areas where there may be a possibility of incidental food contact. Perma-Clean II products also meet the requirements of ANSI/AWWA D102-03 Outside System No. 5 for first coat and intermediate coat.

### PERMA-CLEAN II TESTING

Perma-Clean II was applied to clean, sandblasted steel panels and tested for chemical resistance. A 10-12 dry mil system was applied in two coats with an overnight dry between applications. Following a seven day air cure, they were immersed in the following substances and evaluated at regular intervals.

<p><b>PERMA-CLEAN II PRIMER ASTM B 117</b></p> <p><b>SALT FOG TESTING</b></p> <p>One coat Perma-Clean II Primer applied at 4.0 to 5.0 mil dry film thickness to sandblasted steel.  <b>Exposure</b>—2,700 hours  <b>Results</b>—Red rust at scribe. Undercutting at scribe &lt; 1/32 in. No blisters.</p>	<b>TEST RESULTS AFTER 15 MONTHS IMMERSION</b>		
	25% Caustic	77°F	No Effect
	3% Sulfuric Acid	77°F	No Effect
	10% Sulfuric Acid (1,700 Hours)	77°F	Discoloration
	20% Sulfuric Acid (1,700 Hours)	77°F	Discoloration
	10% Hydrochloric Acid (4,600 Hours)	77°F	No Effect
	20% Hydrochloric Acid (4,600 Hours)	77°F	No Effect
	Mineral Oil	77°F	No Effect
	Gasoline	77°F	No Effect
	Distilled Water	77°F	No Effect
	JP4 Jet Fuel	77°F	No Effect
25% Caustic	140°F	No Effect	