



VISURON
TECHNOLOGIES, INC.

PolyArmor® 1010 PW



Product Data

POLYARMOR® 1010 PW is the first choice where a tough, flexible spray applied ANSI/NSF 61 Approved liner is required. The high performance capabilities showing 275% elongation permits bridging cracks of up to 1/8th inch diameter in instances. POLYARMOR®1010 PW exhibits high abrasion resistance, requires extremely short down times, and is 100% solids, no VOC's.

This system can be applied in thicknesses of 10 mils up to 250 mils, or greater in one application.

ANSI/NSF 61 APPROVED

Product Advantages

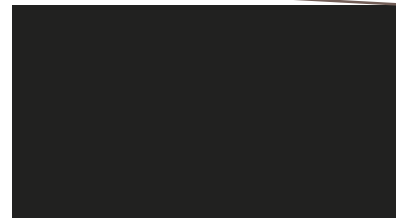
- ◆ ANSI/NSF 61 Approved
- ◆ USDA Approved
- ◆ 100% solids, no VOC's
- ◆ Flexible, 275% elongation
- ◆ Excellent thermal stability
- ◆ Shock resistant
- ◆ Abrasion resistant
- ◆ Low perm rate
- ◆ Cures -20°F to +350°F
- ◆ Return to service in 60 min.
- ◆ High strength
- ◆ Bridges moving gaps up to 1/8 inch wide
- ◆ Waterproofs
- ◆ Bonds to Concrete, Steel or Wood.

Typical Uses

POLYARMOR® 1010 PW is state of the art *polyurea* elastomer designed as a monolithic, seamless, waterproof liner for drinking water and where there is direct contact with food products. During final evaluation, POLYARMOR® 1010 PW is for use with tanks of greater than 4000 gallon capacity and pipes of greater than 48 inch diameter.

- ◆ Potable Water Containment
- ◆ Tank Linings
- ◆ Waste Water Linings
- ◆ Food Product Containment Lining
- ◆ Railcar Lining for Food Products
- ◆ Pipe Line Coating

For questions regarding Case Studies or Chemical Resistance, please contact your Visuron representative.



VISURON PolyArmor® 1010 TDS

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Typical Physical Properties

Typical Physical Properties	Test Method	Value
Tensile Strength (psi)	D-412	3200
Elongation (%)	D-412	275
Tear Strength (pli)	D-624	525
Shore Hardness ("D" scale)	D-2240	50
Moisture Vapor Transmission	E-96	(perm. In.) 0.020
Abrasion Resistance (wt. Loss-mg.) H-18, 1000g, 1000 rev. CS-17, 1000g, 1000 rev.	D-6040 D-6040	112 < 6
Flash Point, components (°F)		>200
Gel Time / Tack Free		5 sec. / 60 sec.
Flexibility Test Gardner impact, in.-lbs. (on 1/32" steel panels) Direct and Indirect	D-2794	> 160
Mandrel Bend: Conical Bend (on 1/32" steel) 1/4 Mandrel, 25°C (free film, 35-50 mils) 1/4 Mandrel, -20°C (free film, 35-50 mils)	D-522 D-1737 D-1737	Pass Pass Pass

NOTE: TEST RESULTS WERE OBTAINED IN A CONTROLLED LABORATORY ENVIRONMENT AND VISURON MAKES NO CLAIM THAT THE TESTS RESULTS ACCURATELY REPRESENT ALL ENVIRONMENTAL OR JOBSITE CONDITIONS. PHYSICAL AND PERFORMANCE PROPERTIES AND MAY VARY BASED ON THE TYPE OF APPLICATION/ SPRAY EQUIPMENT USED.

Coverage Rates

(Theoretical square feet per gallon)

Mils	10	15	50	60	80	100	125
Sq. Ft	160	107	32	27	20	16	13

*Note: 1604 mil inches per gallon; which is totally dependent on substrate texture and condition.

Storage

PolyArmor®1010 PW has a 1 year shelf life from the date of manufacture in a factory-sealed, unopened container stored at room temperatures 59°F- 77°F (15°C- 25°C).

Application

The use of primer is recommended on all substrates. See detailed information on primer from recommended recoat times. Substrate temperature should be greater than 32°F (0°C).

Prior to application; precondition both parts (A & B) to approximately 77°F (25°C).

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LIMITED WARRANTY: Read all information in the product data sheets, and material safety data sheets (MSDS) before applying material. Product information and instructions are subject to change without notice. Contact your Visuron agent or visit our website for current product information and instructions. Products manufactured by Visuron are free of defects and will meet Visuron's current published physical properties. There is no other warranties given by Visuron of any kind implied, or expressed, including any warranty of fitness for a particular purpose, and/or merchantability in connection with this product.

DISCLAIMER: The data and information contained herein doesn't create a material or sales specification. The information contained in this data sheet does not guarantee that any hazards listed herein are the only one(s) which may occur. Product and application instructions are provided for the purpose of establishing a general profile and that they will meet Visuron's current published physical properties. Visuron makes no claim as to the accuracy of the information, but every effort has been made to ensure the accuracy of information contained in the Technical Datasheet. The end user should check the suitability of this product for its intended application prior to use.

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