

VISURON
TECHNOLOGIES, INC.

PolyArmor® 48-415



▶ Product Data

PolyArmor® 48-415 is a 100% solids, rapid curing, 1:1 ratio, polyurea spray elastomer coating system which exhibits superior performance characteristics. This extremely fast cure protective coating can be applied in temperatures ranging from -20° F to 350° F. Once applied, PolyArmor® 48-415 provides an extremely tough, yet resilient, coating which provides reliable long term protection of concrete, masonry, steel and other properly prepared substrates. PolyArmor® 48-415 can be applied in film thickness ranging from 10 mils to 250 mils or greater. Multiple coats are necessary for thicker applications.

▶ Product Advantages

- ◆ 100% Solids, no VOC's
- ◆ Flexible, 475% Elongation
- ◆ Excellent Thermal Stability
- ◆ Good Resistance to a Variety of Solvents, Acids and Caustics
- ◆ Fast Reactivity and Cure
- ◆ Excellent Corrosion Protection
- ◆ Satisfies EPA method 9090
- ◆ Return Project to Service in 60 Minutes
- ◆ Low Perm Rate
- ◆ Cures From -20° F to 350° F
- ◆ Odorless, No Toxic Vapors

▶ Typical Uses

PolyArmor® 48-415 is a superior protective membrane specifically designed for use on concrete, masonry and steel surfaces. PolyArmor® 48-415 can be used to rehabilitate and protect surfaces which have been damaged from mechanical, chemical or temperature related abuse. PolyArmor® 48-415 can be used to protect against weather, corrosion as well as mechanical related abuse. PolyArmor® 48-415 is ideal for applications as a protective coating in:

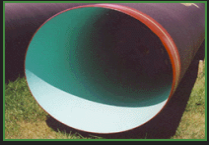
- ◆ Bottling and Canning Facilities
- ◆ Chemical Plants
- ◆ Cold Storage Facilities
- ◆ Fertilizer Plants
- ◆ Food Processing Facilities
- ◆ Industrial Facilities
- ◆ Manufacturing Facilities
- ◆ Marine Applications
- ◆ Mining Operations
- ◆ Oil and Gas Transmission
- ◆ Petroleum Production and Storage
- ◆ Pulp and Paper Mills
- ◆ Secondary Containment
- ◆ Walkway and Parking Decks
- ◆ Warehouse Floors
- ◆ Water and Waste Treatment
- ◆ Refineries



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

VISURON PolyArmor® 48-415 TDS

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PolyArmor® 48-415

▶ Typical Physical Properties

Cured Sealant Properties	Test Method	Typical Value
Shore D Hardness	D-2240	48
Tensile Strength (psi)	D-412	3000
Elongation (%)	D-412	475
Tear Strength Notched (pli)	D-624	450
100% Modulus (psi)	D-638	1250
300% Modulus (psi)	D-638	1900
Abrasion Resistance (wt. loss-mg.) 1000 g, 1000 rev. H-18	D-4060	235
Moisture Vapor Transmission	E-96	0.060 perms
Solids Content		100%
Gel Time		4 seconds
Tack Free		15 seconds
Open to Traffic		60 minutes

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® 48-415 has a shelf life of 1 year shelf life from the date of manufacture, in factory-sealed containers. Storage temperature for Part-A and Part-B is between 59°F - 77°F (15°C - 25°C), avoid freezing temperatures.

Keep containers sealed tightly to eliminate any condensation, moisture, or water contamination in Part-A or Part-B.

▶ 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).

Proportioner recommendations:

- ◆ 1:1 Ratio, High-Pressure, Plural Component Spray Equipment
- ◆ Spray pressures 2500 psi minimum
- ◆ Preheaters/ hoses 165°F- 170°F (74°C- 77°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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