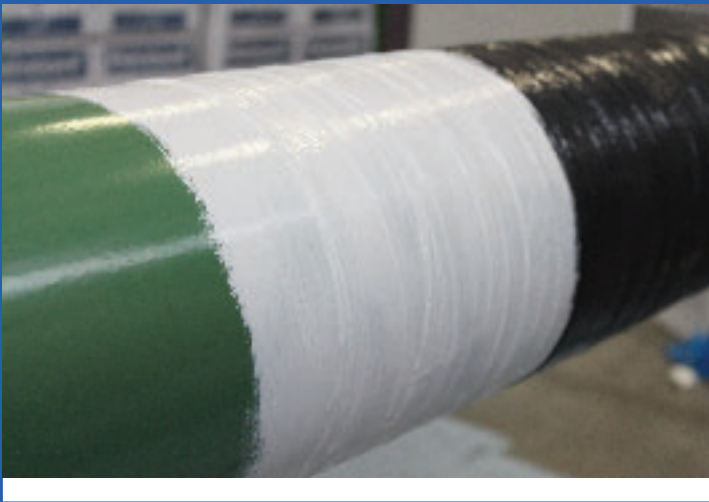


# UVO (UV Overcoat)

## Product Overview



Polyguard UVO is an Ultra Violet Overcoat which is highly resistant to the damaging effects of UV light. It is a single component, low VOC, water based liquid coating that protects RD-6, Fusion Bonded Epoxy, Two-Part Epoxies (such as Polyguard's NHT-5600) and other anti-corrosion coatings from harmful UV rays. Direct exposure to sunlight will result in degradation of traditional coatings. UVO should be used as an overcoat to protect these coatings on above ground pipeline field joint girth welds, valves, fittings, and FBE coated pipe from damaging UV light rays.

UVO may be applied with a brush or roller to a clean and dry surface. Surrounding conditions for successful application are humidity less than 85% and temperature greater than 5°F (3°C) above the dew point. The product should be kept warm, at a minimum of 65°F (18°C). For best results, UVO should be thoroughly stirred to obtain a uniform consistency prior to application. **DO NOT FREEZE. DO NOT THIN LIQUID COATING.** In the event of cold weather, store inside prior to use and protect from freezing.



**Fast touch, dry, and cure times**



**Excellent chemical resistance**



**Excellent adhesion characteristics**



**Environmentally friendly, low VOC**



**Highly resistant to UV degradation**



**Water based, available in 1 gallon cans**



**Non-yellowing**



**Can be applied over multiple coating types including RD-6, two-part epoxies, FBE, urethanes and others**

Physical Properties	Typical Results
Color	White
Type	Water-Based, Liquid emulsion
Viscosity	122,000 cps
Weight per gallon (ASTM D2196-15)	11.0lbs/gal
Specific gravity	1.44
UV resistance (ASTM G90)	1135MJ/M <sup>2</sup>
Blistering – Washed Area (ASTM D714-02(2009)	10 (none)
Chalking – Washed Area (ASTM D4214-07(2015)	10 (none)
Cracking – Washed Area (ASTM D661-93(2011)	10 (none)
Visual Color – Washed Area (ASTM D1729-2011)	8Y (slight yellowing)
Delamination (ASTM Rating)	10 (none)
Gloss	5.5 – 6.6
pH	8.5
Flash Point	None
Solids (ASTM D 2369)	64% by weight
Theoretical Coverage	128 ft <sup>2</sup> per gallon @ 8 mils
Recommended Thickness	8 – 10 mils
Temperature Ranges: At Application In Service	40°F to 130°F (5°C to 54°C) -25°F to 170°F (-32°C to 76.7°C)
Cure Times (or time to dry) 74°F (23°C), 20% rH  95°F (35°C), 70% rH	dry to touch 25 minutes complete cure 55 minutes  dry to touch 15 minutes complete cure 45 minutes
Shelf Life	up to 2 years*

*\*After 1 year from the date of manufacture, a visual inspection of the material is recommended. Visual inspection can be completed prior to use by opening one can from the carton, stirring, and visually checking that the material does not have a skin coat on the surface and no lumps within it. If not for immediate use, reseal the lid tightly.*

## contact us



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