

RD-6® UVO™ (RD-6 UV OVERCOAT)

DESCRIPTION:

POLYGUARD RD-6® UVO™ Overcoat is a single component, low VOC UV resistant, water-based liquid coating that is highly resistant to the damaging effects of UV light rays. RD-6 UVO™ protects the RD-6® anti-corrosion coating from harmful UV rays. Direct exposure to sunlight will result in degradation of the RD-6®.



USES:

Protection as an overcoat of RD-6® coated above ground pipeline field joint girth welds, valves, fittings, and FBE coated pipe from damaging UV light rays.

PRODUCT BENEFITS:

- Fast touch, dry, and cure times
- Excellent adhesion characteristics
- Environmentally friendly
- Highly resistant to UV degradation
- Low VOC
- Water-based
- Can be applied over multiple coating types
- Excellent chemical resistance
- Non-yellowing
- Moisture resistant
- Available in 1-gallon cans

APPLICATION:

RD-6 UVO™ may be applied with a brush, roller, or airless spray method 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. It is recommended the product be kept warm, with a minimum of 65°F (18°C). Stir the RD-6 UVO™ thoroughly to obtain a uniform consistency before applying. DO NOT THIN LIQUID COATING. In the event of cold weather, store inside prior to use. DO NOT FREEZE.

PRECAUTIONS:

This material is sold by **Polyguard Products, Inc.** only for the purposes described in this literature. Any other use of the products is the responsibility of the purchaser and **Polyguard Products** does not warrant nor will be responsible for any misuse of these products. **Polyguard Products** will replace material not meeting our published specifications within one year from date of sale.

RD-6 PROPERTY DATA:

RD-6® UVO™ OVERCOAT PROPERTIES	
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 ²
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 ² 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	2 year*

*Shelf life can vary based on storage conditions.

HEALTH AND SAFETY:

Refer to the most recent SDS, latest revision, containing physical, ecological, toxicological, and other safety-related data.

All **Polyguard Products** Safety Data Sheets (SDS) and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use, health, safety, and disposal of the product.

TECHNICAL SERVICE:

X:Mktg/Lit/Pipeline/2019/RD-6 UVO.doc R. 2-11-2019



Unconventional Solutions, Inc.

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