



<b>PRODUCT DATA SHEET</b>	Page: 1 of 3
	US Version: 1
<b>RD-MONOGUARD</b>	Date:1/10/2017
	Supersedes:
	<b>S4</b>

### DESCRIPTION OF THE PRODUCT

High Performance DTM. Waterborne, acrylic polymer, single component rust preventive coating for interior and exterior applications.

#### USE:

##### **Anti-Corrosion for Exposure in a Wide Variety of Environments:**

- Bridges, Offshore structures, Refineries, Petrochemical & Chemical plants.
- Potable water tank exteriors.
- Storage tank exteriors; (gas, oil grain, etc.).
- Metal on buildings; (roofs, siding, lintels, ductwork, railings, etc.).
- Steel construction; (pipe racks, piping, towers, supports, etc.).
- Equipment; (cranes, truck bodies, salt spreaders, etc.).

##### **As a protective coating: concrete floors, wood, GFRC**

#### FEATURES:

- VOC 45 g/litre, single package, waterborne.
- Impact and abrasion resistant,
- Resistant to the effects of long-term weathering, UV light, salt water and most environmental atmospheric chemicals.
- Self-priming can be used as both primer and finish coat, excellent physical and chemical bonding properties to most surfaces.
- Good levelling when applied by brush and roller.

**Note:** RD-Monoguard “dry-fall” characteristics help to reduce the risk of overspray on buildings and surrounding property. Application methods include “dry-fall” under certain conditions (see Application).

#### SUBSTRATES:

Metal surfaces: Carbon Steel, Weathering Steel (CorTen), Galvanized Steel, Copper, Lead, Stainless Steel and Aluminium.

Can be used as a top coat over any RD product. Other surfaces: concrete, wood, GFRC, GFRG

#### SYSTEM:

##### **Over Partially Rusted Surfaces With an Existing, Well-Adhered Coating:**

- All rusted areas are to receive two (2) detail coats of RD-MONOGUARD applied by brush or roller. Each coat is to be applied @ 3 mils DFT.
- After the detail coats have dried (2-6 hrs.) apply one Finish coat to the entire surface @ 3mils DFT using brush roller or airless sprayer.

##### **Over Unpainted, Unprotected Steel Surfaces:**

- Apply a first coat of RD-MONOGUARD @ 3 mils DFT.
- After drying (2-6hrs) apply the finish coat of RD- MONOGUARD @ 3 mils DFT.

*(The above is a minimum system, especially for exterior exposure; a third coat of RD-MONOGRAFF CLEAR may be required for additional UV, chemical and abrasion resistance)*



<b>PRODUCT DATA SHEET</b>	Page: 2 of 3
	US Version: 1
<b>RD-MONOGUARD</b>	Date: 1/10/2017
	Supersedes:
	<b>S4</b>

**Note:** The above listed systems are general recommendations, for specific details contact your local RD Coatings representative.

**APPLICATION INSTRUCTIONS**

**PREPARATION OF THE SUBSTRATE:** The substrate has to be free of all loosely adhered rust, degreased, dry, and free of dust. Prepare substrates by pressurized water cleaning using 4,000-5,000 psi pressure equipment with a “zero” degree oscillating tip (SSPC SP-12, WJ4). Remove any remaining loose and non-adhering substrate prior to coating. Contact your local RD Coatings representative for detailed information.

**APPLICATION CONDITIONS:** Environmental Conditions (general requirements):

- The minimum air and substrate temperatures; 45°F for 24 hours.
- The maximum surface temperature; 130°F.
- The maximum relative humidity; 90%.
- Surface temperature must be at least 5°F above the Dew Point, with no threat of rain for 6 hours.
- It is possible to apply two (2) coats in the same day.
  - When a finish coat of RD-MONOGRAFF Clear is desired, overnight drying of RD-MONOGUARD is recommended.
- Polymerization continues after drying. Full polymerization of RD-MONOGUARD requires 2-7 day cure time. Freezing temperatures should be avoided during this period.
- Drying Times Temperature Re-Coat Interval:
  - 45°F (80%RH) 6 Hours
  - 60°F (80%RH) 3 Hours
  - 80°F (80%RH) 1 Hours
  - 95°F (80%RH) 1/4 Hour

**Note:** The above figures are for RD-MONOGUARD applied @ 7 wet mils. These figures do not account for airflow; wind speeds of even 5mph will greatly reduce the dry time.

**APPLICATION MEANS:** Brush, roller or airless spray (tip size: 013).

**Caution:** Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon work height & equipment adjustment. Low temps & high humidity are of particular concern. Test for application as follows: Spray from 15-25 ft. towards paint container. The material then should readily wipe off.

**Note:** In some instances, heat can fuse dry overspray to some surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that surface temperatures can be higher than air temperatures.

**DILUTION:** Do not dilute.

**CLEANING OF TOOLS:** Water

**COVERAGE:** Theoretical Coverage / 5 Gal Container:

- 1,100 sq. ft. @ 3 mils DFT.



<b>PRODUCT DATA SHEET</b>	Page: 3 of 3
	US Version: 1
<b>RD-MONOGUARD</b>	Date:1/10/2017
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	<b>S4</b>

PARTICULARITIES: Mix before use.

#### TECHNICAL DATA

FINISH: Semi Gloss

COLORS: Available in 3 Stock Colors as primer.  
Can be tinted to a wide variety of colors.

SOLIDS CONTENT: By Weight: 51-53 %  
By Volume:43-45 %

VOC CONTENT: 45 g/l

DENSITY: Ca. 1.15

FLASH POINT: Non-Flammable

VISCOSITY: 30 P – 50 P (Brookfield 20 Rpm).

DRYING TIME: To Touch: 1 hour at 70°F (80%RH)  
To Recoat: 2 hours at 80°F (80%RH).

PACKAGING: 1 & 5 Gallon Units

STORAGE STABILITY: 

- 2 years minimum provided the original container is sealed and has been stored in a controlled environment.
- Prevent from freezing.

TEST DATA: Available upon request.

TEMPERATURE RESISTANCE: (Dry) Continuous 180°F

#### SAFETY DATA

The Material Safety Data Sheet is available on request.

This Data is given for information only. Since the manufacturer is not able to check the correct application of the products, they cannot accept any responsibility for it. This technical data sheet replaces all previous editions.



<b>PRODUCT DATA SHEET</b>	Page: 4 of 3
	US Version: 1
<b>RD-MONOGUARD</b>	Date:1/10/2017
	Supersedes:
	<b>S4</b>