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	US Revision: 7
RD-ELASTODECK	Date:04/15/2026
	Supersedes: 04/10/2019
	R11

DESCRIPTION OF THE PRODUCT

USE: Waterborne, one component, waterproofing product for concrete balconies, parking and pedestrian decks, Mechanical Equipment Rooms (MER's) and roofs. Based on styrene-acrylic dispersions.

FEATURES: Forms a highly elastic waterproof film.

SUBSTRATES: Substrates include but are not limited to:

- Concrete
- Modified Bitumen, BUR and EPDM
- Can also be applied to wood and Tile.

Note: Do not apply on PVC roofing or on bituminous substrates that are less than one year old. Always conduct adhesion test to confirm compatibility.

SYSTEM:

Roofs:

- Porous, non-treated surfaces:
 - Primer: 1 coat of RD-UNIFIX
 - Topcoat: 2 coats of RD- ELASTODECK @ 15-20 mils DFT per coat with full reinforcing fleece.

Balconies & Mechanical Equipment Rooms:

- Primer:
 - Porous surfaces 1 coat of RD-UNIFIX
 - Smooth surfaces: 1 adhesion coat of RD-ELASTODECK diluted with 25% water.
- Intermediate coats:
 - 2 coats of RD-ELASTODECK @ 10-12 mils DFT per coat reinforced with RD-REINFORCING FLEECE.
- Topcoat:
 - 1 coat of RD-MONOGRAFF HP @ 3 mils DFT.

Pedestrian & Parking Deck system:

- Primer:
 - RD-ELASTODECK @ 8-10 mils DFT.
- Base coat:
 - RD-E DECK Slurry with full broadcast of aggregate into wet film to achieve 18-20 mils DFT.
- Finish Coat:
 - RD-MONOGRAFF HP @ 6-8 mils DFT.

Note: In areas of heavy wear we recommend an additional coat of RD-ELASTODECK with a full broadcast into the wet film.



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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 sanding, lightly grinding or 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 3 hours.

Note: Overnight drying is generally recommended between coats. However, dry rates for waterborne coatings are determined by temperature, humidity and wind.

- In fast drying conditions it is possible to apply two (2) coats in the same day.
 - Overnight drying of RD-ELASTODECK is recommended. Apply to achieve 2-3 mils DFT.
- Polymerization continues after drying. Full polymerization of RD-E DECK requires 3-7 days cure time. Freezing temperatures should be avoided during this period.

Drying Times Temperature Re-Coat:

- 45°F (80%RH) 9 Hours
- 60°F (80%RH) 7 Hours
- 80°F (80%RH) 5 Hours
- 95°F (80%RH) 3 Hours

The above figures are for RD-ELASTODECK applied @ 14 wet mils. These figures do not account for airflow; wind speeds of even 5mph will greatly reduce the dry time for RD-ELASTODECK

APPLICATION MEANS:

Brush, Roller or airless (tip size: 018-023)

Caution: Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work and equipment adjustment. Low temperature and high humidity are of particular concern. Test for application as follows: Spray from 15 to 25 feet 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 temperature.

DILUTION:

Water (Only for airless: up to 3% during fast drying conditions.)

CLEANING OF TOOLS:

Water



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COVERAGE: Theoretical Coverage / 5-Gallon Pail:

- Roofs:
 - 210 sq. ft. at 20 mils DFT.
 - 145 sq. ft. at 30 mils DFT.
- Balconies & Decks:
 - 360 sq. ft. at 12 mils DFT.
 - 180 sq. ft. at 24 mils DFT.

PARTICULARITIES: Mix before use.

TECHNICAL DATA

FINISH: Satin

COLORS: Stock/Primers: Buff Gray and Slate Gray
Topcoats: Can be tinted to most light colors

SOLIDS CONTENT: By Weight: 64-66%
By Volume: 55-57%

VOC CONTENT: 7 g/l

DENSITY: Ca. 1.25

FLASH POINT: Non-Flammable

VISCOSITY: 200 - 220 P (Brookfield 20 Rpm)

DRYING TIME: To Touch: 1-3 hours, depending on temperature and humidity
To Re-coat: 3-12 hours, depending on temperature and humidity

PACKAGING: 5-Gallon Pails

STORAGE STABILITY: 2 years minimum; provided the original container is sealed and has been stored in a controlled environment

TEST DATA: Available upon request

TEMPERATURE RESISTANCE: (Dry) Continuous 175° F

SAFETY DATA

The 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.