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	US Revision: 6
RD-E DECK	Date:4/10/2019
	Supersedes: 10/5/2014
	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- E DECK @ 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-E DECK diluted with 25% water.
- Intermediate coats:
 - 2 coats of RD-E DECK @ 10-12 mils DFT per coat reinforced with RD-REINFORCING FLEECE.
- Topcoat:
 - 1 coat of RD-MONOGRAFF HP @ 3 mils DFT.Or
 - 1 coat of RD-MUR ACRYL SATIN @ 4-5 mils DFT.Or
 - 1 coat of RD-HYDROPOX H @ 3-4 mils DFT.

Pedestrian & Parking Deck system:

- Primer:
 - RD-E DECK @ 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.Or
 - 1 coat of RD-HYDROPOX H @ 3-4 mils DFT.

Note: In areas of heavy wear we recommend an additional coat of RD-E Deck 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.
 - When a finish coat of RD-MUR ACRYL is desired, overnight drying of RD-E DECK 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-E DECK applied @ 14 wet mils. These figures do not account for airflow; wind speeds of even 5mph will greatly reduce the dry time for RD-E DECK.

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 Container:

- 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: Gray (standard) and other colors on request.

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 Recoat: 3 – 12 hours, depending on temperature and humidity

PACKING: 5 Gallon Units

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 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.