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	US Revision: 5
RD-ELASTOFLEX	Date:05/15/2013
	Supersedes: 10/15/2011
	W19

DESCRIPTION OF THE PRODUCT

USE: Waterborne, single component, acrylic elastomeric coating used to waterproof exterior vertical walls and facades.

- FEATURES:**
- Very elastic at low temperatures.
 - Waterproof and Vapor permeable.
 - Resistant to dirt pick-up and the diffusion of carbon dioxide.
 - Resistant to long-term weathering and UV exposure.
 - Can bridge minor cracks at low temperatures.
 - Can bridge large active cracks with the addition of RD-Reinforcing Fleece.
 - High solids content.
 - Low VOC.
 - Dry fall.
 - Easy to apply.

SUBSTRATES: New and old masonry, brick, block, stucco, concrete, pre-cast, terra cotta, lime stone, sand stone, travertine, Exterior Insulation and Finishing Systems (EIFS) and a wide variety of wood surfaces.

- SYSTEM:**
- **System for Bridging Minor Active Cracks:**
 - Primer: 1 coat of RD-UNIFIX or RD-ELASTOFLEX diluted 20%
 - Detail: RD-ACRYKIT applied to all joints and cracks.
 - Waterproofing: 1 coat of RD-ELASTOFLEX
 - Texture: 1 coat of RD-ELASTOFLEX QUARTZ (if texture is desired)
 - Topcoat: 1 coat of RD-ELASTOFLEX
 - **System for Bridging Large Active Cracks:**
 - Primer: 1 coat of RD-UNIFIX or RD-ELASTOFLEX diluted 20%
 - Detail: RD-ACRYKIT applied to all joints and cracks.
 - Waterproofing: 1 coat of RD-ELASTOFLEX with RD-REINFORCING FLEECE
 - Texture: 1 coat of RD-ELASTOFLEX QUARTZ (if texture is desired)
 - Topcoat: 1 coat of RD-ELASTOFLEX

APPLICATION INSTRUCTIONS

PREPARATION OF THE SUBSTRATE: The substrate must be clean, dry and free of dust and dirt, which is typically achieved through the use of pressure washing with 4,000 psi and a 0° spinning tip. In some cases hand and power tools may to be needed to remove mortar spats or unsound coatings from the surface. A field mock-up and adhesion test should be conducted and checked by your local RD Coatings technical representative.



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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-ELASTOFLEX is recommended. Apply to achieve 2-3 mils DFT.
 - Polymerization continues after drying. Full polymerization of RD-ELASTOFLEX requires 3-7 days cure time. Freezing temperatures should be avoided during this period.

Drying Times Temperature Re-Coat Interval:

- 45°F (80%RH) 12 Hours
- 60°F (80%RH) 7 Hours
- 80°F (80%RH) 6 Hours
- 95°F (80%RH) 4 Hours

The above figures are for RD-ELASTOFLEX applied @ 12 wet mils. These figures do not account for airflow; wind speeds of even 5mph will greatly reduce the dry time for RD-ELASTOFLEX.

APPLICATION MEANS:

Brush, roller or airless spray (tip size: 019–023).

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: Heat can fuse-dry overspray to surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that surface temperatures can be higher than air temperature.

DILUTION: Water

CLEANING OF TOOLS: Water

COVERAGE: Theoretical Coverage / 5 Gallon Container:

- 760 sq. ft. @ 6 mils DFT (assuming no waste or variations in the surface).

PARTICULARITIES: Mix well before use.

TECHNICAL DATA

FINISH: Flat



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COLORS: White, Buff Grey, Oxide Red. Can also be tinted to almost any color upon request.

SOLIDS CONTENT: By Weight: 71-73 %
By Volume: 58-60 %

VOC CONTENT: 45 g/l

DENSITY: Ca. 1.56

FLASH POINT: Non-Flammable

VISCOSITY: 230 P - 250 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: 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 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.



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