DESCRIPTION OF THE PRODUCT

Liquid Encapsulation: Waterborne acrylic polymer, high performance, single component rust preventive coating. Forms a highly elastic seamless waterproof barrier applicable for interior and exterior applications to encapsulate and waterproof.

USE:

Can be used to overcoat a wide variety of interior or exterior surfaces to include but not limited to;

- Structural Steel
- Plaster
- Stucco
- Concrete
- Built-up Roofing
- Metal Roofs
- Fiberglass
- Wood

Special uses.

- As a primer (can be diluted up to 20% with water) on non-porous surfaces.

FEATURES:

- Meets or exceeds all standards of **ASTM E-1795 non-reinforced liquid encapsulate.**
- VOC 8 g/litre, single package, waterborne.
- Contains no chromates, lead, or strong solvents.
- Impact and abrasion resistant, elastic (200%).
- Resistant to the effects of long-term weathering, UV light, salt water and most environmental atmospheric chemicals.
- Thixotropic non-sag properties allowing applications in thick films resulting in excellent edge protection.
- Self-priming, can be used as both primer and finish coat, excellent physical and chemical bonding properties to most surfaces.

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

SUBSTRATES:

Carbon steel, Weathering steel (CorTen), Galvanized steel, Copper, Lead and Aluminium, concrete, masonry, stucco, wood, fibreglass, ceramic tile and built-up roofing,

Note: Galvanized and Stainless steel surfaces may require the use of a special primer before the application of RD-ELASTOWRAP LE.

SYSTEM:

- **Over surfaces with an existing coating and arears of bare steel:**
  - Spot prime bare steel with 1 coat at 3-4mils DFT.
  - Apply 2 coats to the entire surface at 8-10 mils DFT using an airless sprayer. (System can be used with local or total reinforcing fleece.)

(In some cases, especially exterior, or anywhere due to particular color and gloss requirement, a finish of RD-Monograff, or other RD finish should be considered.)

Note: Overnight drying is generally recommended between coats. However, dry rates for water-borne 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-Monograff is desired, overnight drying of RD-ELASTOWRAP is recommended. Apply to achieve 2mils DFT.
  - Polymerization continues after drying. Full polymerization of RD-ELASTOWRAP requires 3-7 days cure time. Freezing temperatures should be avoided during this period.

Note: The above listed system is a general recommendation, for specific details contact your local RD representative.

APPLICATION INSTRUCTIONS

PREPARATION OF THE SUBSTRATE:

The substrate has to be free of all loosely adhered rust by using a minimum of 4,000psi pressure washing with a 0 degree turbo tip. (SSPC SP-12, WJ4), degreased, dry, and free of dust. Contact local RD representative for detailed information. In some cases pressure washing may not be feasible, in these cases provide a clean surface with tightly adhered paint.

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.
- Drying Times Temperature Re-coat Interval:
  - 45°F (80%RH) 9 Hours
  - 60°F (80%RH) 7 Hours
  - 80°F (80%RH) 5 Hours
  - 95°F (80%RH) 3 Hours

Note: The above figures are for RD-ELASTOWRAP LE applied at 24 wet mils. These figures do not account for airflow. Wind speeds of even 5mph will greatly reduce the dry time for RD-ELASTOWRAP LE.

APPLICATION MEANS:

Brush, roller or airless spray (tip size: 015–023).

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 temperatures.

DILUTION:	Water (only for airless spray up to 3% during fast drying conditions on steel or up to 20% when used as a primer on some surfaces other than metal).
CLEANING OF TOOLS:	Water.
COVERAGE:	Theoretical Coverage / 5-Gallon Pail: • 660 sq ft at 7 mils DFT. • 330 sq ft at 14 mils DFT.
PARTICULARITIES:	Mix before use.

TECHNICAL DATA

FINISH:	Satin Gloss
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:	8 g/l.
DENSITY:	Ca. 1.25.
FLASH POINT:	Not flammable.
VISCOSITY:	180 P – 220 P (Brookfield 20 Rpm).
DRYING TIME:	Recoatable: 3-12 hours, depending on temperature and humidity.
PACKAGING:	5-Gallon Pails and 1-Gallon Cans
STORAGE STABILITY:	2 years minimum provided the original container is sealed and has been stored in a controlled environment.
TEST DATA:	Meets or exceeds all standards **ASTM E-1795**
TEMPERATURE RESISTANCE:	(Dry) Continuous 180°F.

SAFETY DATA

The Safety Data Sheet is available on request.

These specifications are given for information. 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.