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	Revision: 2 US
<b>RD-ELASTOWRAP AB</b>	Date:4/13/23
	<b>WE6</b>

## DESCRIPTION OF THE PRODUCT

RD-Elastowrap AB is a high performing, liquid-applied air barrier. It is a single component, water-borne, very low odor, acrylic polymer that cures to form a tough, seamless elastomeric membrane. RD-Elastowrap AB is suitable for interior and exterior applications. It can be exposed to ultraviolet light permanently.

**USE:** RD-Elastowrap AB is a vapor permeable air and water barrier used in cavity wall, masonry veneer construction and most other building wall assemblies. It is also compatible with most vertical, above-grade, structural sheathing products. When properly applied as a drainage plane, RD- Elastowrap AB is used to prevent liquid water intrusion.

- FEATURES:**
- High Permeability – Allows the transmission of moisture vapor through porous building materials.
  - Monolithic - Reduces condensation caused by air leaks through the wall assembly thereby reducing the risk of mold and mildew. Reduces heating and cooling energy costs.
  - Fluid-Applied – Single component formulation allows fast and easy installation on walls and rough openings. It can be applied by brush, roller or spray ; it can be sprayed and back rolled. Simplifies detailing and assures a seamless membrane even on rough surfaces. Can also be used with a variety of parging/filling products such as RD-E Deck Filler, RD-E Deck Surfacer and numerous polymer cementitious parge materials.
  - High Elasticity - Helps bridge minor cracks and improves long-term durability.
  - UV Stable – Can be left exposed indefinitely without compromising performance due to UV light
  - Water-Borne Technology - Allows for fast, safe application and easy cleanup.
  - Fast Drying, Non-Toxic and Low Odor- Reduces downtime during installation. Suitable for use in occupied buildings, in confined space and in dry fall situations outdoors. Helps eliminate complaints due to odor.
  - Excellent Adhesion - Remains firmly bonded to most substrates. Requires a primer for certain substrates such as new galvanized, stainless steel and certain existing membranes. Does not adhere to HDPE. Bond tests are always recommended over existing intact membranes that cannot be identified.

**SUBSTRATES:** RD- Elastowrap AB can be applied to most common construction substrates and easily integrated into various wall systems. It is suitable for both new construction and retrofit applications, due to very low odor.

RD-Elastowrap AB is typically applied directly to most common building materials, including precast concrete, cast-in-place concrete, CMU, masonry, terra cotta, interior and exterior gypsum board (e.g.DensGlass®), styrofoam, tectum panels, polyurethane and polystyrene insulation boards, drywall, OSB and non-pressure treated plywood.

Surfaces that should be primed prior to application of RD-Elastowrap AB are; steel, aluminum mill finish, anodized aluminum, new galvanized metal and stainless steel. The typical RD Coatings rust inhibitive primer to be used on all metal substrates is RD-Monoguard, especially on non-ferrous metals. RD-Elastometal can also be used on ferrous metals.



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**SYSTEM:**

Typical application requires two (2) coats at 6.0 dry mils per coat, a minimum total of 12.0 mils DFT. Different colors between coats helps insure adequate thickness and uniform hiding.

Notes: Minimum dry film thickness requirement does not include fleece reinforced areas typically used for flashing detailing and crack repair. Rough CMU, concrete and some types of sheathing may require additional material to achieve a continuous coating. Typically where reinforcing mesh is required, there will be 3 coats of RD-Elastowrap AB

When used as an air barrier and water resistive coating in a drainage plane:

- Detail Coat:** For most joints, transitions and flashing detailing RD-Fleece should be installed. (Contact the manufacturer for additional information.)
- Primer:** RD-Unifix or RD-Monoguard (if required by RD Coatings)
- First Body Coat:** Apply one coat at a minimum 6.0 mils DFT. (When spray applying, back rolling is necessary to maximize coverage and to minimize pinholes. (Unless approved by the Manufacturer, 1st coat should be a different color than the finish)
- Second Body Coat:** Apply one coat at a minimum 6.0 mils DFT.
- Minimum Total Dry Film Thickness (DFT):** 12 mils DFT

Inspect coated surfaces before covering. Repair any deep gouges, punctures or damaged areas if the surface of the air barrier or liquid flashing membrane is damaged during construction. Remove all loose surface contaminants before recoating. Overlap repairs, penetration treatments, transitions, and other air barrier components to ensure positive drainage and continuity of the air and water-resistive barrier.

**APPLICATION INSTRUCTIONS**

**PREPARATION OF THE SUBSTRATE:** Before application, carefully read the Manufacturer’s Product Data Sheet and Safety Data Sheet (SDS) information.

All surfaces must be clean, dry, structurally sound and relatively smooth. Prepare substrate per manufacturer’s instruction prior to application.

**CAST IN PLACE CONCRETE:** The concrete to be coated must be clean, smooth and free of curing compounds and form release agents. Repair bug holes, honey combing and other imperfections with RD-E Deck Filler or RD-E Deck Surfacer or using a suitable cementitious mortar. Remove concrete splashes, over pours, grout or slurry rundown using appropriate mechanical means. Fill and prepare minor imperfections in the concrete surface with additional RD- Elastowrap AB or approved caulk.

**EXTERIOR SHEATHING PANELS:** All sheathing panels (drywall and glass faced) must be installed and fastened per manufacturer’s recommendation. All joints in sheathing panels, including plywood and OSB sheathing must be locally reinforced with RD-Fleece.

- APPLICATION CONDITIONS:**
- All surfaces must be a minimum of 5°F above the dew point with no threat of rain for 3-6 hours.
  - Do not apply membranes when the surface or air temperatures are below 45°F (7°C) for 24 hours.
  - Maximum relative humidity is 90%. Do not use on below-grade applications or in locations continuously immersed, for these areas use RD-E Deck.
  - RD Coatings strongly recommends all walls to receive RD-Elastowrap AB be capped to prevent moisture infiltration from entering the wall during construction.



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**APPLICATION MEANS:** Can be applied by spray, brush or roller. Airless spray is recommended to ensure a uniform film thickness. Airless tip sizes: .017" - .021". (Dedicated fluid hoses are recommended.)

**DILUTION:** Do not dilute or alter RD-Elastowrap AB except for use in sprayers. May be thinned with up to 5% fresh water, based on surface, drying conditions and equipment. Mix well before use with a low-speed drill and clean mixing paddle.

**CLEANING OF TOOLS:** Clean tools and flush equipment with water immediately after use. Dried material must be removed mechanically.

**TECHNICAL DATA**

**FINISH:** Satin mat

**COLORS:** White. Can be tinted to a wide variety of colors.

**SOLIDS CONTENT:** By weight: 72%.  
By volume: 58%.

**VOC CONTENT:** 45g/L.

**DENSITY:** Ca. 1.46.

**FLASH POINT:** Not flammable.

**PERMEABILITY:** Water Vapor Permeance (WVP): 12.8 perms or 8.5 metric perms.

**VISCOSITY:** 195 P – 235 P (Brookfield 20 Rpm)

**DRYING TIME:** Complete drying times vary with temperature, humidity and surface conditions. Protect from rain or freezing until completely dry. At 70°F (21°C) and 50 percent relative humidity (RH), RD-Elastowrap AB dries to touch in 1 hour and can be re-coated in 2 hours. Full cure in 3-7 days.

**PACKING:** 5 Gallon.

**STORAGE STABILITY:** 12 months minimum provided the original container is sealed and has been stored in a controlled environment. Prevent freezing.

**TEST DATA:** Available upon request.

**SAFETY DATA**

Refer to Safety Data Sheet (SDS) for complete health and safety information. SDS is available upon 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.