Endura-crylic Door & Wall

Endura-Clad Coatings , Inc **100% Acrylic Metal and Wall Paint**

Product Description

Endura-crylic Door & Wall is a industrial performance, zero VOC, zero HAP, very low odor, single component, water-based acrylic urethane.

Advantages

- Very good color fastness
- 0 VOC & HAPS
- Fast drying
- Water reducible
- Interior & exterior
- Non-flammable
- Good flexibility
- Good flow and leveling
- Easy touch-up
- Spray, brush, or roll
- Very low odor

Product Characteristics

Resin	Acrylic Urethane
Clean-Up	Water
Flash Point	N/A
Viscosity	
Finish:	Gloss (70-85)
Color:	24 standard, unlimited custom colors available
Volume Solids:	36% ± 2%
Weight Solids:	49% ± 2%
Weight per Gal:	9.90 ± 2%
VOC (unreduced):	< 0 g/l; 0 lb/gal
Packaging:	1 gallon & 5 gallon containers
Storage:	Store indoors at 45°F - 95°F. Protect from freezing.
Shelf Life	36 month unopened from date of manufacture

Theoretical Coverage Rate per Gallon:

Square ft coverage rate per gal	580	595	610
Wet mil film application rate	3.00	6.00	9.00
Dry mil film thickness achieved	1.00	2.00	3.00

Film builds **below 2 mils total** DFT will not provide maximum film properties. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface,

Drying Schedule @ 4.5 mils wet

Applied @50%RH	**50°**	**77°**	**90°**	**Fahrenheit**
To touch		30 min		
To handle		2 hr		
To recoat		2-4 hr		
To cure		30 days		
Pot Life	N/A			
Sweat in time	N/A			
Activation	None required			

Application Conditions

Do not apply if the application surface or ambient temperature is below 50°F (10°C) or above 100°F (38°C), or if the atmospheric temperature is within 5°F of the dew point. Relative humidity should be below 90%. Don't apply when there is a risk of rain or freezing temperatures within 12 hours after application. Don't apply within 2 hours of sunset if the temperature is below 60 degrees.

Recommended Uses

Designed as a topcoat for repainting prefinished metal surfaces including SMP coil coated sheet metal that is used in the manufacturer of rolling steel doors, roofs, gutters, and metal siding.

- Self Storage Facilities
- Repainting interior or exterior metal wall systems.
- Economical refinish system for roll doors
- Gutters, downspouts and trim
- Accent colors for corporate or building branding
- Swing doors
- Handrails, bollards, fencing

Not Recommended for:

- Immersion service
- Floors
- Direct application to rusted surfaces

Recommended Substrates

- Previously Painted Surfaces
- Primed steel
- Aluminum
- Galvanized Metal
- Vinyl Siding
- Wood
- Masonry
- Drywall
- SMP coil coated steel

Compatibility with other Coatings

- Compatible with most coating types. It may be used over most aged and hard-cured coatings in good condition.
- Can be used overtop all Endura-Clad & Chem-Bake primers
- Can be top-coated with Chem-Clear WB after 2 hours where additional gloss, and UV resistance are required.
- Can be top-coated with Chem-Clear 2k products after 24 hours where additional gloss, UV and chemical resistance are required.

Testing for lifting, bubbling and adhesion is recommended to assure compatibility with unknown coatings.

Performance Characteristics & ASTM Data

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Surface Preparation

The service life of the coating is directly related to the surface preparation. Surfaces to be painted should be clean, dry and free from wax, grease, dust, silicone, oil and excessive chalk. Do not use hydrocarbon solvents for cleaning. If solvent cleaning is required use acetone.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Existing Painted Surfaces: Remove all oil, dust, grease, dirt, chalk, rust, loose or peeling paint and all foreign matter. Scrape and sand peeled or checked paint to a sound surface. Steel rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned. Glossy or smooth hard surfaces should be dulled and/or abraded using Sand & Scrub cleaning mixture, silicon carbide sandpaper, Scotch-Brite® or other abrading medium to create a surface profile. If adequate surface profile is not achieved then *Chem-Bake®* bonding primer is recommended.

Aluminum and Galvanized Steel: Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Masonry, Concrete, Block, Stucco: All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all loose stucco, efflorescence, laitance , form release and curing agents. Rough surfaces can be filled to provide a smooth surface. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.

Wood, Plywood, Composition Board: Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain tannin, that may stain paint. If staining persists, spot prime areas with 1 coat of exterior oil-based wood primer before finish coating.

Mildew Prior to attempting to remove mildew, it is recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Airless Sprayer:. Recommended. Use spray equipment that delivers paint at an even consistent pressure without "surge". The sprayer, hoses and gun must be thoroughly clean and flushed with water. Always use a hose that is dedicated for spraying water based coatings, separate from spraying solvent based products. Spray with the least amount of pressure that still atomizes the paint properly. Recommended tip size and type: .010 -.014 fine finish.

When spraying use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Application in two light coats is generally better than one heavy coat.

Roller: Hi quality 1/4" - 1/2" nap non-shedding

Brush: Hi quality Nylon or Nylon/Polyester

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Mixing & Reduction

Mixing: Endura-crylic Door & Wall is a single component product. Mix contents of each container thoroughly to assure proper pigment dispersement. Box together all material to assure color consistency from container to container.

Thinning: Thinning is not recommended however if thinning is needed to help with the application use cool, clean, near neutral, (pH 6-8) water. If you do not know the quality or pH of the local water supply, thin with distilled or de-mineralized water. ***Do not*** thin with hardwater. Reduce in small increments to avoid over-reduction. Do not exceed 5%

Clean-Up

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. Never leave material in equipment when not in use. Dried paint film, spray equipment, and mixing equipment can be cleaned by soaking and scrubbing with Isopropyl alcohol (100.0%) or acetone.

Safety & Handling

For use only by professional, trained painters. Before using, read and follow all label and MSDS precautions. When handling or applying any industrial coating always wear chemical resistant gloves and avoid contact with the skin. Always use a properly fitted respirator that employs chemical cartridges while handling, mixing, or spraying. If mixed with other components, mixture will have hazards of all components. All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable, and are intended for professional use by persons having skill and know-how at their own discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by Buyer in whole or in part. Published technical data and instructions are subject to change without notice.

Warranty: All products are warranted to be free of manufacturing defects. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product.