ENDURA-COAT®

Interior/Exterior Semi-Gloss
Industrial Maintenance Coating

ENCT50

Dunn-Edwards PAINTS
THE #1 CHOICE OF PAINTING PROFESSIONALS®

EG-FREE® Formulated without Ethylene Glycol or other TAC/HAP chemicals | ACRYLIC™ | RAVOC® RATED | MILDEW RESISTANT

DESCRIPTION

ENDURA-COAT® is a high performance, interior/exterior, low VOC, direct to metal, water-based acrylic Industrial Maintenance Coating with excellent adhesion and corrosion resistance. It can be used on properly prepared primed wood, masonry, plaster or drywall. ENDURA-COAT can be used as a direct-to-metal coating on properly cleaned and prepared metal substrates. For maximum protection, use of a substrate specific primer is always recommended.

For Professional Use Only. Not for residential use.
(See SPECIAL INSTRUCTIONS re: Within SCAQMD.)

PRODUCT DATA

SOLVENT TYPE: Waterborne

FINISH: Semi-Gloss: 40-50% on a 60° meter

RESIN TYPE: Acrylic

COLORS: Stock Colors: Black, Safety Red, Safety Yellow. Other colors can be special ordered or store mixed.

TINT BASES: L Tintable White, M Medium, U Ultra Deep

VISCOSITY@77°F/25°C (ASTM D 562)**:** 94-100 KU

MAXIMUM VOC CONTENT: 100 g/L

MAXIMUM RAVOC (Reactivity-Adjusted VOC)**:** 55 g/L

SOLIDS BY VOLUME (ASTM D 2697): 40.5% ± 2%

SOLIDS BY WEIGHT: 53.6% ± 2%

WEIGHT PER GALLON (ASTM D 1475)**:** 10.62 lbs.

COMPOSITION BY WEIGHT

Pigment–25.9%		**Vehicle–74.1%**	
*Prime pigments	25.0	Resins	24.1
Reinforcing pigments	0.9	Water & additives	50.0

**Prime pigments include titanium dioxide (TiO_2), plus all other pigments directly adding to the hiding power of this paint.*

RECOMMENDED FILM THICKNESS PER COAT
Wet: 3.7 mils Dry: 1.5 mils

PRACTICAL COVERAGE PER COAT AT RECOMMENDED DRY FILM THICKNESS
Approximately 375-425 sq. ft. per gallon, depending on surface conditions and application techniques.

THINNING RECOMMENDATION: This coating is intended to be applied without thinning or diluting under normal environmental and application conditions. If necessary to maintain good workability, add up to 1/4 pint (4 fl. oz.) of clean water per gallon of coating.

AVERAGE DRY TIME@77°F/25°C (ASTM D 1640)
To touch: 1-2 hours Recoat: 2-4 hours
Dry times and recoat times are temperature, humidity and film thickness dependent.

PACKAGING: One gallon containers

STORAGE: Store in a dry area. Protect from freezing. Protect from temperatures above 110°F for extended periods of time. Extreme temperatures may cause paint to become unusable. See *Paint Storage Best Practices* Technical Bulletin at dunnedwards.com for more information.

CLEANUP: Warm, soapy water

DISPOSAL: For information on local options to dispose of unwanted leftover paint, call Dunn-Edwards Customer Service at 1-888-DEPAINT or visit www.dunnedwards.com. **Do not mix with other products**.

SAFETY DATA SHEET: Available at dunnedwards.com

APPLICATION

TEMPERATURE: 50°F minimum, 90°F maximum (air, surface and material). Surface temperature must be at least 5°F above dew point.

RELATIVE HUMIDITY: 85% maximum

AIRLESS SPRAY	BRUSH	ROLLER
PRESSURE: 1800-2500psi **TIP:** .013”-.017”	Polyester/Nylon	1/4˝-3/8˝ nap

CONFORMS TO

ARB 2007 SCM & CALGreen 2016; LEED 2009 IEQ Credit 4.2; MPI Approved Product #153,163

ASTM TEST METHODS

ADHESION (to properly primed surfaces)

METHOD: ASTM-D3359

RESULT: Excellent (4B)

ACCELERATED WEATHERING

METHOD: ASTM-D4587, 2000 hours

RESULT: Gloss Retention: Excellent (100%)
Color Retention: $\Delta E < 0.88$

CORROSION RESISTANCE (1 prime coat + 1 topcoat)

METHOD: ASTM-G- 85. A5, 504 Hours

RESULT: Pass

PENDULUM HARDNESS

METHOD: ASTM-D4366, 7 days cure, >25 counts

RESULT: Excellent

ASTM TEST METHODS (cont)

FLEXIBILITY

METHOD: ASTM-D522, 180° bend, 1/8" mandrel

RESULT: Pass

PENCIL HARDNESS

METHOD: ASTM-D3363

RESULT: Excellent (4H)

CHEMICAL RESISTANCE

METHOD: ASTM-D1308

RESULTS: WD-40 = Pass
Windex = Pass
409 = Pass
Fantastik = Pass
Chlorox Bleach = Pass
IPA (99%) = Pass
Sulfuric Acid (50%) = Pass
Motor Oil = Pass

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Glossy surfaces should be dulled to provide a roughened surface for good adhesion.

FERROUS METALS
Remove all oil and grease from surfaces per SSPC-SP1. Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primers are recommended for maximum performance.

ALUMINUM
Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Apply appropriate bonding primer for maximum performance.

GALVANIZED METAL
Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first clean per SSPC-SP1 and apply a test patch of the appropriate galvanized metal primer. Allow patch to dry at least one week before testing adhesion. If adhesion is poor, further cleaning or brush blasting per SSPC-SP7 may be necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

CONCRETE & MASONRY
For surface preparation, refer to SSPC-SP13/NACE 6. Surfaces should be thoroughly cleaned and dry. Surface temperature must be at least 55°F before filling. If required for a smoother finish, use the recommended filler/surfacer. The filler/surfacer must be thoroughly dry before topcoating per manufacturer's recommendations. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply appropriate primer/sealer to promote adhesion.

DRYWALL
Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Apply appropriate primer/sealer.

WOOD
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. Apply appropriate primer/sealer.

PREVIOUSLY PAINTED SURFACES
If substrates are in sound condition, clean the surface of all contaminants per SSPC-SP1. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test patch, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Apply appropriate primer/sealer to promote adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

SPECIAL INSTRUCTIONS

- CAUTION: Scraping or sanding surfaces of older buildings (especially pre-1978) may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation, and finish cleanup of any residues by water-washing all surfaces. For more information, see Dunn-Edwards brochure on "Surface Preparation Safety" or call EPA's National Lead Information Hotline at 1-800-424-LEAD, or visit www.epa.gov/lead or /asbestos, or contact your state or local Health Department.
- This product can neither cause nor prevent or cure the growth of mold, mildew, or other forms of fungus. Excessive moisture and inadequate ventilation are the main conditions that promote their growth. Correct any such conditions before painting.
- Do not apply at air or surface temperatures below 50°F.
- Within SCAQMD: No person shall apply or solicit the application within the District of any industrial maintenance coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings.

PRIMERS

DRYWALL

Textured: **VINYLASTIC® Premium (VNPR00)**
Untextured: **VINYLASTIC® Premium (VNPR00)**
Skim-coated: **VINYLASTIC® Plus (VNPL00)**

MASONRY

Plaster:
Stucco:
Tilt-up concrete:
Poured-in-place:
Brick:
SUPER-LOC® Premium (SLPR00), **EFF-STOP® Premium (ESPR00)**, **EFF-STOP® Select (ESSL00)** or **FLEX-PRIME® Select (FPSL00)**

Concrete block: **Smooth BLOCFIL Premium (SBPR00)** or **Smooth BLOCFIL Select (SBSL00)**

Smooth trowel: **SUPER-LOC® Premium (SLPR00)**

WOOD

Trim, sash: **SUPER-LOC® Premium (SLPR00)** or **ULTRA-GRIP® Premium (UGPR00)**

SYNTHETIC WOOD

Masonite:
Hardboard:
MDO siding:
SUPER-LOC® Premium (SLPR00) or **ULTRA-GRIP® Premium (UGPR00)**

METAL

Ferrous:
BLOC-RUST® Premium (BRPR00), **ENDURAPRIME™ Metal Primer (ENPR00)**

Non-Ferrous:
ULTRASHIELD® Galvanized Metal Primer (ULGM00) or **SUPER-LOC® Premium (SLPR00)**