



Dampney Protective Coatings

Endcor 560C Multipurpose Primer

Description

Endcor 560C is a multipurpose alkyd primer used for new construction and maintenance applications. It can be applied over a wide range of coated and uncoated surfaces without lifting or softening the existing coating.

An economical rust inhibitive primer for exterior and interior steel surfaces subjected to industrial and marine environments. It exhibits strong intercoat adhesion, serving as an outstanding tiecoat between previously applied adherent paint and chemically resistant topcoat systems containing active solvents.

Uses

- Shop primer for structural steel
- Structural steel-bridges, industrial plants
- Power plant structures, smoke stacks
- Refinery and chemical process plant structures
- Water and sewage works structures
- Paper mill structures
- Storage tank exteriors-water, petroleum, etc.

Features

- Outstanding adhesion to all substrates
- Excellent intercoat adhesion
- Compatible with numerous topcoat types
- Bonds well to old adherent paint films
- Prevents corrosion and undercutting
- Resists lifting by strong solvents
- High film build

Not Recommended For

- Immersion Service
- Chemical or aromatic solvent exposure
- Temperatures over 200°F (93°C)
- Not to be used as a finish coating

Surface Preparation

For Shop Priming New Steel, or Field Painting New Structures surfaces must be clean, dry and free from oil, grease, dirt, welding flux, mill scale, rust, oxides, corrosion products, loose paint, or any foreign matter detrimental to the adhesion of this primer. Abrasive blast all surfaces per SSPC-SP-6 "Commercial Blast Cleaning". If abrasive blasting is not permitted remove

all loose rust, corrosion products, paint and other foreign matter per SSPC-SP-11, "Power tool cleaning" using a Desco air operated tool with a "Roto Peen" flap assembly attached.

For Maintenance Painting

Remove oil and grease by solvent cleaning. Pressure wash to decontaminate all surfaces. Remove loose, cracked, brittle or non-adherent paints, spot clean rust spots by power tooling per SSPC-SP-11. Feather out exposed edges where remaining paint is sound.

Aluminum or Galvanized Surfaces

Age and degree of contamination and/or deterioration of surfaces will determine method of surface preparation. Brush blasting per SSPC-SP-7, or treating surfaces to be coated with Endcor 400 Wash Primer or with Endcor 450 Prep Wash.

Mixing

Redisperse any settled-out pigments by stirring with a paint paddle, followed by through mixing to a uniform consistency with an explosion proof power mixer.

Application

Apply by conventional or airless spray, brush or roller. Apply to a 2-3 mil dry film thickness (4-6 mils wet). If exceptionally rough surfaces are encountered, apply a second coat to a dry film thickness of 6 - 8 mils wet.

Drying Time

Endcor 560C is ready to recoat in 6 - 8 hours. (See technical data section).

Application Guidelines

Primer is formulated for application by brush, roller, airless or conventional spray. The following equipment or equivalent, may be used

Brush: Use pure bristle brushes only. Do not over brush, use full even strokes.

Roller: Use 1/4" to 5/8" nap rollers. Avoid excess rolling.

Note: Extra coats of primer may be required for uniform film thickness when applied via brush or roller.

Conventional Spray:

| | |
|------------------------|--------------|
| Spray gun | Binks 2001 |
| Air hose | 5/16" (I.D.) |
| *Fluid hose | 3/8" (I.D.) |
| Air cap & Fluid nozzle | 63Bx63PB |
| Pot pressure | 10-15lbs. |
| Atomizing pressure | 35-40lbs. |

*Smaller diameter hoses or hose lengths greater than 25 feet may make it necessary to increase pressures.

Airless Spray Equipment

| | |
|-------------------------|------------------------|
| Pump | Graco Bulldog 30:1 |
| Gun | Graco 205-591, 208-663 |
| Fluid tips* | Graco 163-615, 162-619 |
| Fluid hose | 3/8" to 1/2" ID |
| Air pressure to pump | 100 psi |
| Pump operating pressure | 80-90psi |

* Use Reverse-A-Clean tips for easy clean out.

Note: Pump gasket should be teflon.

Application Temperature

Do not apply primer if surface, material or air temperature is below 50°F (10°C) or if relative humidity is above 80%

Storage

Store in dry place with temperatures between 40-80°F (4-27°C).

Cleanup

Flush equipment, hoses, clean spray gun and spray tips after use with Dampney 100 thinner.

Recommended Topcoat Systems

Endcor 300 Series Vinyl Coatings
 Endcor 500 Series Alkyd Coatings
 Endcor 570 Series Silicone Alkyd Coatings
 Endcor 600 Series Chlorinated Rubber Coatings
 Endcor 700 Series Polyamide-cured Epoxy Coatings

Topcoating Procedures

Allow 6-8 hours before application of coatings, containing mild solvents (acrylic, alkyd, chlorinated rubber, oleo-resinous, etc.). Allow 16 hours minimum before application of coatings containing active solvents (epoxy, urethane, vinyl, etc.)

| | | |
|-------------------------|-----------|-----------|
| Shipping Weights | 1"s | 5's |
| Endcor 560C Primer | 12.2 lbs. | 61lbs. |
| Dampney 100 Thinner | 7.2lbs. | 36.0 lbs. |

Precautionary Information

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES, NOSE, THROAT AND SKIN IRRITATION.

Caution: Keep away from heat, sparks, arc and flame. Vapors may cause flash fire. Close container after each use. Do not breathe vapors or spray mist. Use only with adequate ventilation during mixing application and curing. Wear a vapor/ particulate respirator, such as NIOSH/MSHA No TC-23C, during and after application and until work areas are exhausted of vapors and mists. Follow respirator manufacturer's directions for use. Avoid contact with eyes, skin and clothing, Wash thoroughly after handling. Wear rubber gloves, chemical safety goggles and protective clothing. Use skin cream.

In unventilated areas or confined spaces require a constant-flow, air-line respirator, such as NIOSH/MSHA No. TC-19C. Use explosion-proof lights and electrical equipment. Make certain all electrical equipment is grounded. Wear conductive and nonsparking shoes. Follow safety procedures described in OSHA regulations. Use only nonsparking tools and equipment. Wear conductive and nonsparking foot wear. Make certain all electrical equipment is grounded. Observe all safety precautions and follow procedures described in OSHA regulations.

See material Safety Data Sheet (MSDS) for complete precautionary and disposal information.

Made in the USA

Keep out of the reach of children

For Industrial Use Only

TECHNICAL DATA

| Characteristics | Endcor 560C Multipurpose Primer | | |
|----------------------------------|---------------------------------|-----------|-------------|
| Generic Type | Modified Alkyd | | |
| Color | Gray | | |
| Finish | Flat | | |
| Temperature Resistance | 150°F (65.6°C) | | |
| Continuous | 200°F (93.3C) | | |
| Intermittent | 49% | | |
| Solids by volume | 2-3 mils | | |
| Dry film thickness per coat | 5-6 mils | | |
| Wet film thickness per coat | 786 mil. sq. ft. | | |
| Theoretical coverage per gallon* | 50°-120°F (10°-50°C) | | |
| Application temperature @ 50% RH | To Touch | To Recoat | To Ship |
| Drying Time @ 50% RH | 8-10 hours | 24 hours | 72 hours |
| | At 50°F (10°C) | | |
| | At 70°F (21°C) | 6-8 hours | 10-12 hours |
| Weight per gallon | 11.1 lbs | | |
| Endcor 560C Series | 7.2 lbs. | | |
| Dampney 100 Thinner | 65 - 70 Ku | | |
| Viscosity | 44°F (6.7°C) | | |
| Flash point | 3.44lb./gal. (412.8 g/l) | | |
| Volatile organic compounds | 1 Year | | |
| Shelf Life | | | |

*Note: Actual coverage rate will vary depending upon material losses during mixing and application, and upon type and condition of surface to be coated. Allowance must be made for losses when estimating material requirements.

WARRANTY

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