



## Endcor® 750C Polyamide Epoxy Primer

### Description

Endcor 750C Polyamide Epoxy Primer is a corrosion inhibitive primer. Endcor 750C has a controlled consistency which incorporates excellent flowout and leveling properties. This capability provides optimum surface conditions for subsequent topcoat applications. Endcor 750C Primer is particularly adaptable for all Endcor Series Epoxy Coatings. A broad range of other top coats may be used. Consult your Dampney technical representative for specific recommendations.

### Uses

- Natural gas transmission pipe
- Compressor station piping
- Valves
- Pipe bridges
- Structural steel
- Tanks and vats
- Utility manhole equipment
- Steps, grating and platforms
- Concrete floors and masonry surfaces

### Features

- Ease of mixing
- Long pot life
- Low toxicity
- Outstanding wettability and flow-out properties
- Easily adaptable to spray, brush and roller applications
- Short recoat time
- Tolerant of operating temperatures up to 275°F
- Resistant to fumes and splashes of mineral acids, alkalies and most solvents

### Surface Preparation

All surfaces must be free of dirt, dust, grease and loose rust.

*Steel:* For best results, sandblast to near-white metal per SSPC-SP 10 or equivalent. Alternates are the use of manual or power tools, cleaning to gray metal.

*Galvanized Metal:* Galvanized steel, new or weathered, must be dry, free of dirt, dust, grease and any fallout contamination before priming.

*Masonry:* Remove all loose and spalled material. Brush abrasive blasting is suggested. Priming with Endcor 750C (thinned approximately 30%) is an excellent sealer for concrete and masonry surfaces prior to application of full coat.

*Previously Painted Surfaces:* Hand tool or power tool cleaning is required to remove loose or peeling paint. Make a test application of Endcor 750C Primer on the old paint to test for solvent lifting before repainting. If lifting occurs, the old finish should be removed.

### Mixing

Mix 4 parts of base to 1 part activator by volume of Endcor 750C base and activator. The individual component should be mixed separately to disperse pigment uniformly. Add Part B to Part A and mix thoroughly with a low-speed, explosion proof power mixer for a minimum of 3 minutes or until mixed coating is completely blended and of uniform color.

### Application

Apply by brush, roller, and conventional or airless spray equipment.

*Brush:* Apply after thorough mixing. No thinning required.  
*Roller:* Apply after thorough mixing. NO thinning required. Use medium to long nap rollers. Work the finish into the surface, wetting the roller frequently. Cross roll for uniform coverage.

*Conventional Spray Equipment:* Use as supplied. If slight thinning is desired, use one pint Endcor 175 Thinner per gallon of coating.

As a guide only...

Spray Gun	DeVilbiss P-MBC with pot or equal
Air Hose	5/16" (I.D.)
*Fluid Hose	3/8" (I.D.)
Air Cap	704
Fluid Nozzle	FX (.042")
Pot pressure	10-15 lbs.
Atomizer pressure	35-40 lbs
Needle adjustment	Wide open
Distance from work	8-12"

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

\*\**Airless spray* equipment: Use as supplied.

Bulletin 750C

As a guide only...

Spray Gun Graco airless President, Bulldog, Extreme or equal  
 Air pressure to pump 80-90 lbs.  
 Pump ratio 30:1  
 Total pressure 2400-2700 psi  
 Nozzles Graco 513 or 415 (.013-.015")  
 Distance from work 12-15"

\*\*Do not apply by "warm or hot" airless spray since external heating shortens the pot life. If difficulty in atomizing is encountered, reduce viscosity by slight solvent addition.

**Thinning**

Only thin Endcor 750C with Dampney 175 Thinner. Do not thin beyond federal, state and/or local VOC emission regulations. Note: Use of other thinner not approved by Dampney may hinder product performance and void product warranty.

**Storage**

Store in a cool, dry place, preferably below 100°F.

**Cleanup**

Clean equipment with Endcor 140 Thinner.

**Precautionary Information**

**WARNING:** Flammable Liquid and Vapor.

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not breathe vapors or spray mist. Avoid contact with eyes, skin and clothing. Use with adequate ventilation during mixing and application. Wear an appropriate, properly fitted organic vapor cartridge-type respirator (NIOSH approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Wash thoroughly after handling. Wear protective gloves, chemical safety goggles and impervious protective clothing. Use skin cream. In confined spaces use of a positive pressure supplied-air respirator (NIOSH approved) is required. Use explosion-proof lights and electrical equipment. Use only nonsparking tools and equipment. Wear conductive and nonsparking footwear. 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. If instructions and warnings cannot be strictly followed, do not use this product.

**FOR INDUSTRIAL USE ONLY**

**Technical Data**

Characteristics	Endcor 750C
Color	Red
Base to Activator ratio	4:1 by volume
Gloss	Flat
Weight per gallon	
Base	14.06 lbs.
Activator	8.34 lbs.
% solids by volume	72
Theoretical coverage per gallon*	1152 mil sq. ft.
Dry film thickness per coat	4-6 mils
Wet film thickness per coat	5-8 mils
Maximum Operating Temperature Resistance	275°F
Pot Life @ 70°F	8 hours
Drying time @ 70°F	
Dry to touch	6 hours
Dry to handle	24 hours
Minimum Recoat	6 hours
Maximum Recoat	7 days
Shelf life	1 year
Flash Point (either component)	83°F
VOC	0.80 lbs/gal (95.0 g/l)

\*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:** Dampney protective coating products are expressly warranted to meet applicable technical and quality specifications. The Technical data contained herein are accurate at the date of issuance but are subjected to change without prior notification. No warranty of current accuracy is hereby given or implied. User must contact Dampney to verify correctness before ordering. Dampney assumes no responsibility for coverage, performance or injuries resulting from handling or use and LIABILITY, IF ANY, SHALL BE LIMITED TO PRODUCT REPLACEMENT. In no event will Dampney be responsible for consequential damages, except insofar as mandated by law. Dampney DISCLAIMS ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.