



Dampney Protective Coatings

Endcor[®] 8898 Silicone-Alkyd Copolymer Self Priming Coating

Description

A high-performance, high solids, self priming, high gloss, hard, durable coating for use on cast steel surfaces. Complies with state VOC (Volatile organic content) emission control regulations. Compared to conventional alkyd paints it provides a wide range of improved properties, including: significantly improved gloss retention and chalking resistance, reduce color fade, continuous film integrity, and temperature resistance.

Recommended Uses

- Cast valve bodies
- Cast iron and steel surfaces
- Fabricated valves

Features

- Long-term durability and weather resistance
- Excellent gloss and color retention
- Resistant to chalking, UV radiation, humidity, moisture, salt spray and chemical atmospheres
- Self priming corrosion protection
- Can be applied over solvent cleaned surfaces

Not Recommended For

- Immersion service
- Galvanized or Aluminum surfaces

Primer Required

Self priming, apply one or two coats of 8898 to prepared carbon steel surfaces.

Surface Preparation

To ensure optimum long-term coating system performance, surfaces must be clean, dry and free from oil, grease, dirt, salts, welding flux, mill scale, rust corrosion products, oxides, old paint or other foreign matter.

After completion of preliminary surface preparation work, clean all surfaces following "SSPC-SP 1 solvent cleaning standard" using a non-film forming solvent such as Dampney 170 cleaning solvent.

Mixing

Redisperse any settled-out pigments by stirring with a paint paddle followed by thorough mixing to a uniform consistency power mixer. Do not open containers until ready. Keep Lid on container when not in use.

Application

Apply by conventional or airless spray or brush. The following equipment or equivalent can be used.

Airless Spray:

Pump	Graco Bulldog 30:1
Spray Gun	Graco 205-591, 208-663
Fluid Tips*	Graco 163-614, 163-616
Fluid hose	3/8" ID
Air pressure to pump	100 psi
Pump operating pressure	80-90 psi

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

Conventional Spray:

Spray gun	DeVilbiss JGA-402
Fluid tip	EF
Air cap	704
Fluid hose*	3/8" to 1/2" ID
Pot pressure	25 psi
Atomizing pressure	60 psi

* Smaller hose diameter or length over 25 ft may require increased pressure. Provide material pot with agitator, regulators for fluid and air pressure, and oil and moisture trap in air supply line.

Brush: Use only pure bristle brushes.

Application Procedure

Flush spray equipment with Dampney 105 Thinner before use. Thinning - Use thinners cautiously. The addition of a small amount of thinner will cause a large reduction in coating viscosity. Excessive thinning will impair wet film thickness and will cause runs and sags and change the VOC content of the coating. For conventional spray use adequate air pressure and volume to obtain proper atomization. Apply Endcor 8898 over properly cleaned and dry surfaces to a dry

Bulletin 8898

film thickness of 3-4 mils (75-100 microns) per coat . Use "Crosshatch" method with 50% overlap on each pass to avoid pinholes and bare areas. On irregular surfaces, coat all edges first. Exercise care to prevent sags or runs.

Dry time 70°F (21°C)50% RH

Dries to touch in 2 hours at 77°F.

Cleanup

Thoroughly flush all application equipment and hoses immediately after use with Dampney 105 Thinner. Dismantle spray equipment and clean parts and brushes with Dampney 105 Thinner.

Storage

Store in cool, dry place with temperature between 50°F and 100°F (10°C and 38°C). Keep container closed when not in use.

Precautionary Information

WARNING! FLAMMABLE LIQUID AND VAPOR. Keep away from heat, sparks, arc, and flame. Vapors

may cause flash fire. Do not breathe vapors or spray mist. Prevent contact with eyes, skin, and clothing. Use only with adequate ventilation during mixing, application, and drying. Wear an appropriate, properly fitted NIOSH certified respirator during and after application, and until work areas are exhausted of all vapors and mists. Follow respirator directions for respirator use. Wash thoroughly after handling. Wear rubber gloves, goggles and protective clothing. Use skin cream.

Observe safety precautions and follow procedures described in OSHA regulations.

See Material Safety Data Sheet (MSDS) for complete precautionary information.

If instructions and warnings cannot be strictly followed, do not use this product.

KEEP OUT OF REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY

TECHNICAL DATA

Characteristics	Endcor 8898		
Generic Type	Silicone Alkyd Copolymer		
Color	Gray		
Finish	Gloss		
Number of Components	One		
Percent Solids by Volume	60±3		
Weight per Gallon	11.32 lbs ± 0.3 lbs. Per gal. (1.35 ± 0.4 kg/l)		
Viscosity	70 ± 5 ku		
Temperature resistance			
Continuous	300°F (149°C)		
Intermittent	350°F (177°C)		
Dry film thickness per coat	3 – 4 Mils (75 – 100 microns)		
Wet film thickness per coat	7 – 10 Mils (175 – 250 microns)		
Theoretical coverage per gallon	802 ± 50 mil. Sq. ft.		
Application temperature @ 50% RH	Normal	Minimum	Maximum
Ambient Air	55-90°F (13-32°C)	40°F (4°C)	120°F (49°C)
Substrate	55-90°F (13-32°C)	40°F (4°C)	160°F (71°C)
Coating Material	50-90°F (10-32°C)	40°F (4°C)	120°F (49°C)
Humidity	30-80%	0%	80%
Drying time @ 77°F (25°C)			
To touch	2 hours		
To recoat	16 – 24 hours		
Final cure	7 days		
Flash Point	100°F (38°C)		
Shelf Life	1 year		
Volatile organic compounds	2.55 lb./gal. (305.6 g./l.)		

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