

Description

H-10 CSM is a one-component, air-curing maintenance coating that provides a maximum resistance to weathering and protection from harmful chemical fume and splash environment.

Republic H-10 CSM Liquid Coating is used primarily to protect the neoprene cable wrap system from UV degradation and weathering.

Uses

- Structural steel
- Plating rooms
- Tank and pipe exteriors
- In strong acid or oxidizing atmospheres

Advantages

- H-10 CSM is highly resistant to weathering and ozone attack, providing outstanding performance in outdoor applications.
- Provides service at higher temperatures than standard neoprene coatings for protection in extreme environments.
- Available in a variety of stable colors, H-10 CSM is an excellent maintenance coating for color coding.
- Powerful rust and corrosion deterrent.
- Excellent physical properties allow H-10 CSM to provide reliable corrosion and abrasion protection even in harsh environments.

Surface Preparation

Prepare surface by removing all rust, mill scale, oil, grease, etc. Surface must be clean and dry.

A white metal blast surface is preferred in extreme chemical and temperature conditions. A commercial blast is recommended for normal application.

Primer Application

New bare surfaces must be primed. Use Republic N-11 Primer on concrete, wood, steel and galvanized steel.

Use Republic N-15 Primer on non-ferrous metal such as copper, lead, magnesium, zinc (galvanized), stainless steel, and epoxy fiberglass laminates.

Technical Information

Colors	White, Mist Gray. Special colors available upon acceptance of batch yield and 50 gallon minimum order.
Application	Brush, roller or spray.
Coverage	150 sq. ft./gallon/coat.
Unit Coat Thickness	2–3 dry mils/coat.
Thinner & Cleaner	N-450-1.
Primer	N-11/N-15*.
Storage Stability	1 yr. unopened @ 74°F (23°C) from date of manufacture.
Specific Gravity	1.034.
Density	8.62 lbs./gal.
Pot Life	12 hrs. @ 65–75°F.
Flash Point	
H-10 CSM	76°F (24°C) (ASTM D 3278).
Tensile Strength	120 psi.
Elongation	Over 700%.
Weight/Gal.	8.54–8.85 lbs.
Solids Content	36.0–37.0% (by weight).
Viscosity	2,800 cps–3,200 cps.

H-10 CSM

Liquid Coating

Allow primer to dry a minimum of 1 hour. Under adverse conditions such as low temperatures, poor air circulation, etc., up to 4 hours may be necessary.

Application Instructions

Thoroughly stir H-10 CSM. A primer coat and 3 coats of H-10 CSM are recommended for applications where corrosive fume and splash conditions are present. Drying time between coats is normally 1 – 2 hours depending on conditions.

FOR SPRAY APPLICATION – Thin H-10 CSM with 1 quart of Republic N-450-1 Thinner & Cleaner to 1 gallon of H-10 CSM. Use an EH-333 airless unit with a 617 tip, Binks #18 spray gun, and No. 68 nozzle set-up, or equivalent.

Clean all tools and equipment thoroughly before pot life has expired. This is particularly important with spray applications.

Limitations

Prolonged exposure to temperatures over 200°F (93°C) tends to harden the coating and may cause cracking.

The Republic Powdered Metals Coating & Lining Systems Philosophy

There are no short-cuts to success and no “cure all” products in the corrosion protection business. A “system” approach is the only means to achieving long-term protection. Republic has the necessary primers, adhesives, sealants, and caulking compounds that are compatible with a wide variety of protective coatings and linings to provide a complete system of protection for abrasion, corrosion, and chemical attack problems.

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