



A CSW Industrials Company

PRODUCT DATA SHEET

GULFCOAT™

Contractor Series Coil Coating

Description

DIY Aerosol Corrosion Resistant Coil and Cabinet Coatings

GulfCoat™ Contractor Series Coil Coating Blue and Clear were developed in response to customer demand for a protective coating to be applied on small jobs and or in remote areas. This aerosol product will provide coverage for 6 to 8 Square Feet of coil face area, depending on users spray technique.

GulfCoat™ Blue and Clear corrosion resistant coatings are specifically designed for the protection of HVAC coils and components. GulfCoat™ Contractor Series coatings are formulated to improve adhesion, moisture resistance, UV protection and corrosion resistance. The product can be applied on-site or at your premises after HVAC units have been manufactured and installed.

GulfCoat™ Contractor Series coatings provide a HVAC coil coating system for added corrosion protection on aluminum and copper finned RTPF and MCHX coils. GulfCoat™ coatings help to reduce the accelerated corrosion of HVAC coils. By following the coating and maintenance instructions, end users should expect extended life cycles while avoiding energy loss due to corrosion.

Specifications

HVAC coil and components shall have GulfCoat™ aerosol coating spray applied with no runs or sags. The spray coating process should ensure a uniform dry film thickness of 10-36 µm (0.4 -1.4 mils) and meet 5B rating for crosshatch adhesion per ASTM D3359-09. Corrosion durability shall be confirmed through testing to no less than 2,000 hours salt spray resistance per DIN 53167 (ASTM B117-11) using aluminum test coupons.

RESISTANCE TO:

RESISTANCE TO CORROSION

GulfCoat™ Blue and Clear have a robust synthetic multi-polymer resin backbone that is suitable for most environments and will maintain its appearance after many years of exposure to the elements.

RESISTANCE TO UV DEGRADATION

Built in enhanced UV inhibitors form a protective barrier throughout the paint film. As a result, UV degradation of individual polymer molecules are reduced and the film integrity maintained.

GLOSS RETENTION

A high gloss finish is applied that is smooth, limits dirt and debris buildup and allows for easy equipment cleaning.

Applications

- Heat Exchanger Coils (water, condenser, evaporator, DX)
- Mini-splits
- Packaged rooftops
- Condensing units
- Modular air-handlers
- Air-cooled chillers
- Interior & Exterior HVAC cabinetry and copper piping

TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	PERFORMANCE
Salt Spray	DIN 53167/ASTM B117	Exceeds 4,000 hours
Water Immersion	ASTM D870	500 hours minimum - 0 blisters
Pencil Hardness	ASTM D3363	HB-F
Cross Hatch Adhesion	ASTM D3359	5B minimum
Humidity	ASTM D2247	500 hours minimum - 0 blisters
UV Resistance	ASTM D4587	500 hours minimum - ΔE color shift < 2
Mandrel Bend (Flexibility)	ASTM D522M	Pass

Residential cooling loads in hot and humid climates can task utility bills and cooling equipment. Average residential energy use in these difficult environments show that air conditioning can consume almost 30% of total utility costs. Coated coil and cabinet protection for this equipment will enhance its ability to remain efficient throughout its life cycle.

Packaging

Code	Size	Qty. per Case	Lbs. per Case	Cubic Feet per Case
80401	12 oz. (340 g) Aerosol Blue	6	7	.22
80400	12 oz. (340 g) Aerosol Clear	6	7	.22

Instructions

Surface must be free of grease, rust and wax. Prior to coating, follow these steps:

1. Clean coils with GulfClean™.
2. Rinse with clean water.
3. Allow coil to thoroughly dry.

Mask off or protect areas from overspray. Allow can to warm to room temperature. Shake until mixing ball rattles, then continue to shake for two minutes. Move can with light to medium strokes. Let paint become tacky between coats. After use, invert can and spray to clear valve. Product expires 2 years after manufactured date stamp.

New Coils

- 1/ Clean coil with a solvent cleaner - Rectorseal K.O. Dirt Blaster (88438)
- 2/ Spray coil with GulfCoat "Blue" aerosol (80401)
- 3/ Spray condenser housing with GulfCoat "Clear" aerosol (80400)

Existing Coils

- 1/Clean the coils with a non-acid/alkaline coil cleaner - Rectorseal Foam-A-Coil (82632) or Clean-N-Safe (83780)
- 2/ Thoroughly rinse with water and let dry
- 3/Clean condenser housing with Clean-N-Safe to make sure there is no dirt/grime on the housing - let dry
- 4/ Spray coil with GulfCoat "Blue" aerosol (80401)
- 5/ Spray condenser housing with GulfCoat "Clear" aerosol (80400)

Note – Conductivity: The GulfCoat is conductive. If sprayed on circuit boards, motor windings, contactors, or other exposed electrical components, those components will short out and damage the component

For additional technical information, call Toll Free 1-800-231-3345.

Precautions

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT,

CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

DANGER!

EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE.

VAPOR HARMFUL.

KEEP OUT OF REACH OF CHILDREN

READ BACK PANEL CAREFULLY.

DANGER. Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. Harmful in contact with skin. May cause an allergic skin reaction. Harmful if swallowed. Harmful if inhaled. May be fatal if swallowed and enters airways. May cause respiratory irritation or; may cause drowsiness or dizziness. May cause cancer or damage to organs through prolonged or repeated exposure. **Keep out of reach of children.** **Prevention:** Keep away from sparks/open flames. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wear eye protection. Avoid breathing vapor/spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. **Response:** IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Call a POISON CENTER/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. **Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed when not in use. **Disposal:** Dispose of contents/container in accordance with all local/regional/national/international regulations.

For additional information, refer to Safety Data Sheet.



WARNING: This product can expose you to chemicals including Titanium Dioxide and Solvent Naphtha (blue) Cumene and Solvent Naphtha (Clear), which is known to the State of California to cause cancer and reproductive harm. For more information, go to www.P65Warnings.ca.gov