

PRODUCT NAME

Gem-Cote™ CP 200

Anti-Corrosion Direct-to-Metal Coating

Water based



MANUFACTURER

Gemite® Products Inc.

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FEATURES AND BENEFITS

- Water borne
- High gloss
- Excellent salt fog corrosion resistance
- Excellent flush rust protection
- Long term color stability
- High bond strength to steel, aluminum and galvanized substrates in wet and dry states
- Excellent pencil hardness
- Very good chemical resistace
- Long term durability
- Reduces dirt and surface staining
- Minimizes effloescence and migrating salts
- Protects and extends life of painted steel structures

PRODUCT DESCRIPTION

Basic Use

Gem-Cote CP 200 is an anti-corrossion direct-to-metal protective coating for all metal surfaces, including aluminum & galvanized steel. Gem-Cote CP 200 protects metal surfaces against degradation due to moisture, salt spray, oxidation or exposure to a variety of environmental or industrial chemicals. Gem-Cote CP 200 provides long term corrosion protection, color uniformity and UV resistance to protect & extend life of steel structures.

Gem-Cote CP 200 is used to over-coat previously painted steel, since it provides corrosion protection through pinholes & micro-cracks of existing coating, even over rusted areas, with a suitable rustproofing primer. Gem-Cote CP 200 extends the life-cycle of existing coating, eliminating the environmentally complex removal and disposal.

Composition of Materials

Gem-Cote CP 200 is an acrylic, one-component waterborne integrally colored, ready-to-use coating. It contains highly active corrosion inhibitor and additionla compounds providing micro-biological protection of the coating.

Limitations

Do not apply over damp surfaces, or if rain is imminent, when either surface or ambient temperature is 6°C (43°F) or below, or when humidity is over 90%.

Health and Safety

Gem-Cote CP 200 is a nontoxic and nonflammable. If contact with skin occurs, wash with soap & water. Harmful if digested. Keep the product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult SDS for additional information.

Color

Variety of colors are available. Every effort is made to fill each order using the same batch number, but different batch numbers of the same color are occasionally sent to complete an order.

It is the sole responsibility of the applicator to make certain that only one batch number is used on any one area. Different batch numbers cannot be used on the same wall unless they are mixed ("boxed") together to ensure total color uniformity.

Packaging & Storage

Gem-Cote CP 200 is supplied in 20 L (5.3 USG) pails..

Coverage

Approx. coverage of Gem-Cote CP 200 is 3.5-4.5 m²/ L @ 0.22-0.29 mm (143-183 ft²/USG @ 9-11 mils wet thickness), per coat. Two coats minimum are needed.

The coverage is only given as guideline and depends greatly on the roughness of the substrate and application method to provide satisfactory color uniformity. Carry out field test to determine the exact material quantity required. Written approval should be obtained from Architect /Owner prior to application.

TECHNICAL DATA

Weight:	1.23 kg/ L, 11.24 lbs/ USG
Brookfield viscosity	3300 mPa * s
pH	8.53
Adhesion cross-cut test (0 worst to 5 best)	Zinc - 5 Aluminum - 5 Iron - 5 Steel - 5
Gloss	20°: 51 60°: 80
Slat Fog Test (ASTM B117), one coat	No blister formation, minimum rust formation, no crack formation
Accelerated Weathering (ASTM G 53-69) Fluorescent UV - Condensation Type, 2,500 hours	Excellent color retention and resistance to chalking
Permeance (ASTM E-96)	24.3 perms (1395 ng/ Pa.s.m)

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Storage and Transportation

Shelf life of unopened containers is 12 (twelve) months. After opening the container, the material should be used within several weeks. Packaged 36 pails per pallet. Must not freeze.

INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed.

Surface Preparation

Surface must be clean and free of dust, dirt and other contaminants. The rust areas must be cleaned to near white surface and coated with two coats of suitable rustproofing primer. .

Mixing

Mix thoroughly before application. Do not thin.

Application

Use airless sprayer capable of delivering 6.9 MPa (1,000 psi) and 1.9 L (1/2 USG) per minute. Heavier equipment can be used on larger projects. A self-cleaning reversible tip with orifice 0.330-0.425 mm (0.013-0.017”) and min. 40 degree fan angle is recommended. Roller or brush application can also be used, but uniform application is essential for obtaining an even “blotch” free surface. Establish break lines conforming to surface design breaks where possible.

Curing

Gem-Cote CP 200 is air-dry cured. It will be tack free within ½ hour and fully cured within 3-5 days depending upon temperature and relative humidity.

Clean Up

Clean all spray equipment and hoses immediately after application with water. Dry material can be cleaned using acetone.

AVAILABILITY AND COST

Gem-Cote CP 200 is available worldwide. Contact Gemite for the name of the local Representative / Distributor and current pricing. When ordering specify the color. In case of custom color, the color suitability and pricing must be established by Gemite before order can be processed.

MAINTENANCE

No maintenance is required. *Gem-Cote CP 200* is self-cleaning. Any surface dust can be easily cleaned using water & detergent. If repair is required apply more of the same product.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite’s Head Office.

TECHNICAL SERVICE

For advice on suitability of *Gem-Cote CP 200* for a specific application, specification assistance and application advice contact Technical Services USA 888-443-6483 / Canada 905-672-2020.

Short Specification

The protective coating will be *Gem-Cote CP 200* water based acrylic micro-emulsion with corrosion inhibitors, manufactured by Gemite Products Inc. [USA 888-443-6483] [Canada 905-672-2020]. It shall be applied at a minimum rate of _____ m²/L (_____ ft² / USG), as per manufacturer's current Guide Specifications and Application Instructions. It shall meet the following performance criteria:

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