

TECHNICAL DATA SHEET

# CB 200 - CORRIZON™ - Base primer

## DESCRIPTION

Single component, waterborne, Base metal protecting coat **for single coating layer only.**

## RECOMMENDED USE

As a steel primer for new building and maintenance with a tolerant surface preparation

## PRINCIPAL CHARACTERISTICS

- Fast curing odorless, non-burning, non-exploding, all "green" coat. Applied over corroded steel and new steel. Stops corrosion development & prevents additional damage.
- Suitable for use in both new construction and maintenance.
- Matte black finish, may discolor and turn brownish over time.

Note:

**Stand-alone solution. Not suitable for paint coating system.**

## BASIC DATA AT 25°C (68°F)

Number of components	One
Mass density	1.3-1.4 gr/cc
Volume Solids	52% ± 2%
VOC	Under 1.0 gr/lit.
Viscosity	800-1,800 mPas•sec
pH	2-4
Dry film thickness	50-100 microns
Wet film thickness	100-200 microns
Theoretical spreading rate	5-10 m <sup>2</sup> /lit.
Shelf life	12 months at 4-40°C

## APPLICATION CONDITIONS:

Air temperature: 5-40°C (41-104Fahrenheit)

Substrate temperature: 5-40°C (41-104 Fahrenheit)

Relative Humidity: <85%

## SURFACE PREPARATION:

The surface condition can vary from grade A (mill scale) to grade D (pitted steel) as well as partially painted Surface. It must be free from loose particles and oils before application.

Sharp edges, welding's and pits must be stripe coated.

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**High Pressure Water Cleaning (HPWC)**

Remove all loose paint, mill scale rust, and other foreign materials in accordance with SSPC SP WJ-3 (L) [over 7500 psi/ 500 bar]

The surface to be coated must be clean and free of grease, oil accordance with SSPC-SP-1.

Initial Condition	Degreasing SSPC SP-1	High-pressure water cleaning 500-700 Bar	Degree of flash rust
A - Mill scale	✓	✓	-
B - Mill scale + Rust	✓	✓	L
C - Rust	✓	C WJ-3	L
D - Rust + Pitting	✓	D WJ-3	L
E – Mostly intact paint applied over steel	✓	E WJ-3	L
H – Degraded paint system applied over steel	✓	H WJ-3	L

Corrizon® Base 200 Surface Preparation High-pressure water cleaning -SSPC VIS 4.

When high pressure water cleaning is not practical, other surface preparation methods may be used, followed by Degrease to SSPC-SP-1.

power tool cleaning to ISO-St3 (SSPC SP-3)

hand tool cleaned to ISO-St2 (SSPC SP-2).

abrasive blast to ISO-Sa1

in a painted surface which is partially corroded, a high-pressure water cleaning 500 bar or higher is recommended. all loose paint and rust must be removed. CB200 will treat the rusted surface and adhere to the well adhered paint.

**MIXING INSTRUCTIONS:**

Mix CB 200 thoroughly to a uniform consistency, with low-speed power agitation (up to 500rpm) prior to use.

Thinning is not recommended.

**Clean up instructions:**

Clean spills and spatters immediately with water.

Clean tools immediately after use with water.

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**Methods of Application:** Airless Spray, Air spray, Brush, Roller

**Spray application**

**Airless Spray**

Pressure	2500-3000 psi
Hose	3/8" ID
Nozzle orifice	0.013"-0.017"
Filter	70 mesh
Dilution	Not recommended

**Wash the spray system with water after finishing**

**CB200 can be applied by:**

The following is a guide. Changes in pressures and Nozzle sizes may be needed for proper spray characteristics. Always purge spray equipment before use with water only.

<b>Reducer/Clean up</b>	Water
<b>Conventional Spray</b>	
Nozzle orifice	1.8 mm
Atomization Pressure	40-60 psi
Fluid Pressure	20-30 psi

**Brush**

Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness

<b>Brush</b>	Natural Bristle
Dilution	Not Recommended
<b>Roller</b>	
Cover	
Dilution	Not Recommended

**Use brush for stripe coat, pitted surfaces, holes, edges where there might be a problem applying a uniform even coat with spray**

**Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity appearance.**

In case of wind speed over 11-16knots / 20-29km/h use brush or roll only.

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**Wet film thickness (WFT) measurement** -To ensure correct film thickness, it is recommended to measure the wet film thickness continuously during application using a painter's wet film comb (ISO 2808 Method 1A).

**Dry film thickness (DFT) measurement** - When the coating has cured to hard dry state the dry film thickness can be checked to SSPC PA 2 or equivalent

**DRYING TIME**

Drying time @ 2 mils wet (50 microns):

@	5°C	15°C	25°C	38°C
Surface (touch) dry	4 hours	1 hour	30 min.	15 min.
Dried/cured for service	7 days	7 days	7 days	7 days

**RECOMMENDED SYSTEM:**

	Material	Thickness (DFT) µm	Thickness (WFT) µm
Primer	CB200	100	150

**LIMITED WARRANTY**

Coreteel warrants its products to conform to Coreteel's claims of performance, Coreteel declares that its products do not infringe on any patent. Coreteel warrants its product to conform to its claimed shelf life.

**LIMITATIONS OF LIABILITY**

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