

MPCI Product Data Sheet
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Thermablock™ CR2000

High Temperature Corrosion Resistant Coating

PRODUCT DESCRIPTION

SUBSTRATES AND SURFACE PREPARATION

General

Surfaces must be clean and as dry as conditions permit. Employ adequate methods to remove dirt, dust, oil, and all other contaminants that could interfere with adhesion of the coating. Pitted and corroded substrate may require decontamination with a salt remover solution in water to prevent post application corrosion at the interface.

Carbon Steel

Insulated (recommended): SSPC-SP10

Insulated (minimum): SSPC-SP6

Surface Profile: 2.5 – 3.0 mils

Limited Access: SSPC-SP11 is a suitable preparation method for small and hard to access areas or when sandblasting is prohibited.

Stainless Steel

Same as Carbon Steel.

Galvanized Steel

General: surface preparation should not remove the protective galvanize plating. Clean surface per SSPC-SP1.

Aluminum

Same as Galvanized Steel.

Concrete

Prepare in accordance with SSPC SP-13.

APPLICATION EQUIPMENT

Spray Application (General)

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional Spray

Agitated pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap.

MIXING

Mixing

Pour 1/4 of Part A into Part B and mix using a high speed cowles blade. Continue to add Part A in intervals of 1/4 until coating is uniformly mixed.

DO NOT MIX PARTIAL KITS.

CLEANUP AND SAFETY

Cleanup

Use isopropyl alcohol, MEK, or acetone. In case of spillage, absorb and dispose per local regulations.

Safety

Follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workplace safety precautions. Wear appropriate Personal Protective Equipment.

Caution

Flammable materials – keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Shipping Weight: 1 Gallon Kit – 12 lbs

5 Gallon Kit – 60 lbs

Storage Temperature & Humidity: Store indoors at 32°F to 100°F, at ambient Relative Humidity

APPLICATION CONDITIONS				
Condition	Material	Surface	Ambient	Humidity
Normal	65-85°F	60°F	60-90°F	20-95%
Minimum	40°F	40°F	40°F	20%
Maximum	100°F	100°F	120°F	95%

CURING SCHEDULE			
Surface Temp.	Dry to Recoat	Dry to Topcoat	Final Cure
40°F	24 hrs	24 hrs	24 hrs
75°F	12 hrs to 24 hrs	12 hrs	24 hrs
120°F	6 hrs to 24 hrs	6 hrs	24 hrs

Technical Data	
Characteristics	Thermablock™ CR2000
Generic Type	Silicate/Silicone
Mix Ratio by Volume	(A:B) 2:1
Application Temperature	40°F - 120°F
Operating Temperature	-40°F - 2000°F
Maximum Sustained Temperature	2000°F
Percent (%) Solids by Volume	71%
VOC	3.27 lbs/gallon (392.46 g/liter)
Weight per Gallon	11.25 lbs/gallon
Shelf Life	6 months @ 75°F
Pot Life	8 hrs 72°F, 14 hrs if sealed
Thinner	None

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