



Simco Coatings Inc.

Manufacturer of Military Spec.,  
Corps of Engrs. Spec, Industrial, &  
Marine Coatings

**TECHNICAL DATA SHEET**

**SIMTAR-200**  
**TWO COMPONENT HIGH BUILD COAL TAR EPOXY PAINT**

**DESCRIPTION:** Our Simtar-200 is a self-priming, two component, high build coal tar epoxy. It has excellent adhesion & abrasion resistance. It can be used on marine docks, ship hulls, pipelines interior & exterior, marine barges (exterior), and metal protection in most chemical and saltwater environments. It provides 16.0 mils. DFT protection with two coats.

**CONFORMANCE:** This product conforms to U.S. Corps of Engineers formula C-200 and SSPC Paint #16 (Steel Structures Painting Council No. 16 specification).

**RECOMMENDED USES:** It is often used on marine docks, ship hulls, tank interiors, pipelines interior & exterior, marine barges (exterior), metal protection in most chemical environments.

**TECHNICAL DATA**

<b>GENERIC TYPE:</b>	Epoxy Polyamide Coal Tar Epoxy		
<b>COLOR AND FINISH:</b>	Black, Dark Brown, Low Gloss		
<b>COMPONENTS:</b>	Two		
<b>APPLICATION TEMPERATURE:</b>	Normal	Minimum	Maximum
<b>AMBIENT AIR:</b>	60-90°F.	50°F.	120°F.
<b>MATERIAL:</b>	65-85°F.	55°F.	
<b>SURFACE:</b>	65-85°F.	50°F.	100°F.
<b>HUMIDITY</b>	20-80%	0%	85%
<b>TEMPERATURE RESISTANCE:</b>			
<b>CONTINUOUS:</b>	200°F.		
<b>OCCASSIONAL:</b>	250°F.		
<b>% Solids by Volume(Part A&amp;B Mixed):</b>	75 +/- 1.0%		
<b>THEORETICAL COVERAGE:</b>	145 sq. ft. per gallon @ 8 mils dry		
<b>FLASH POINT:</b>	Comp A: 81°F    Comp. B: Over 160°F.		
<b>RECOMMENDED DFT:</b>	16 mils (8 mils per coat)		
<b>WET:</b>	10-12 mils		
<b>DRY:</b>	8 mils		
<b>DRYING TIME:</b>	@ 50°F.	@ 70°F.	@ 90°F.
<b>SET TO TOUCH:</b>	24 hrs.	6 hrs.	4 hrs.
<b>RECOAT TIME:</b>	72 hrs.	18 hrs.	12 hrs.
<b>FULL CURE:</b>	7 days	3 days	3 days

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**TECHNICAL DATA (Continued)**

**SHELF LIFE:** 12 months  
**POT LIFE:** 4 hours @ 77°F  
**MIXING RATIO:** 4:1 by volume  
**PACKAGING & SHIPPING WEIGHT:** 5 Gal. Kit: 56.0 lbs. 1 Gal. Kit: 12.0 lbs.  
**RECOMMENDED THINNER:** Simco R-200 Thinner for Coal Tar  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 2.11 Lbs./Gallon or 253 g/l

**SURFACE PREPARATION:**

Steel: "Near White Blast Cleaning" (SSPC-SP10)  
Concrete: Should be properly cured and free from contaminants.  
Brush blast to provide etched surface.

**APPLICATION DATA:**

Method of Application: Conventional or Airless spray.

Spray Guns:

<b><u>CONVENTIONAL</u></b>	<b><u>FLUID TIP</u></b>	<b><u>AIR CAP</u></b>
DeVilbiss-MBC-510 Binks - Model 18	D 66 or 68	64 63PB or 68PB

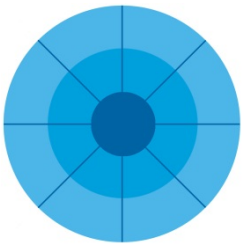
**AIRLESS:**

Graco- 30:1 ratio with 206718 gun or Speeflo Commander 30 with H Gun- .019 or .031 orifice.

The Substrate temperature before coating should be 5 to 7°F. above the dew point.

**MIXING:** Agitate Part A with Jiffy Mixer to reduce viscosity of material. Thoroughly mix Component B for a few minutes. Below 65°F allow 30 minutes induction time before application. Apply in well-atomized spray coat overlapping each pass 50%. May be thinned up to 1 pint per gallon with R-200 Thinner.

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**SSPC PAINT #16: (SIMTAR-200)**  
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**SAFETY PRECAUTIONS:** (A) Use normal precautions such as gloves, facemasks. (B) Adequate ventilation must be maintained. (C) Explosion proof lights & electrical equipment. (D) Non-Sparking shoes & tools for workers in area. (E) This product contains flammable materials. Forbid all flames, smoking and welding in work area. (F) Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

**NON-WARRANTY:** The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information of this product, no warranty expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance, or any other damages, including injuries resulting from use of this information or of products recommended herein.

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