



**Simco**  
*We've Got You Covered*

*211 Gunther Ln.  
Belle Chasse, LA 70037  
Tel: 504.393.9455*

## **SIMKOTE-2004** **WATER BASED TANK COATING**

**Description:** Simkote-2004 is a two-part high solids water based coating formulated from specifically designed acrylic polymer and inorganic pigments.

### **Principle Features:**

- Excellent corrosion and water resistance.
- Can be applied over clean tight rust surfaces.
- Excellent adhesion to variety of substrates including concrete, steel, wood, and cement.
- Tough, hard, flexible coating insures long life.
- Non hazardous, contains no solvents.
- Non-slip and good visibility.

### **Recommended Application:**

- Sea water or fresh water ballast tanks.
- Void spaces subject to condensation.
- Cargo holds, Hatch covers and interior of barges.
- As a lining for potable water tanks.

### **Technical Data**

<b>Color:</b>	White, buff
<b>Finish:</b>	Matte
<b>Percent Solids by Volume:</b>	62 ± 2%
<b>Theoretical Coverage:</b>	Approx. 1000 sq.ft./gal. @1 mil.
<b>Flash Point:</b>	None
<b>Recommended DFT:</b>	
<b>New Steel:</b>	40 mils. (dry voids)
<b>Old Steel:</b>	50 - 60 mils (for immersion service)
<b>Drying Time @ 70 F:</b>	
Set to touch:	8 hrs.
Recoat Time:	2 hrs.
<b>Final Cure @ 70 F:</b>	
Non-Immersion:	24 hrs.
Immersion	4 days
<b>Pot Life:</b>	2-3 hrs.
<b>Mixing Ratio:</b>	Mix powder into liquid as supplied. Do not change ratio.

### **Surface Preparation:**

1. Oil, grease, welding flux residues and salts shall first be removed by the methods outlined in SSPC-SP 1 "Solvent Cleaning".
2. Remove all loose mill scale, loose rust and other detrimental surface contaminants by brush blasting, power tool or hand cleaning.
3. All welding spatter and weld flux shall be removed by sharp chisels, rotary grinder, needle gun, power wire brushing or by a combination of such tools.

## **Application Data:**

### **Conventional Spray:**

A bottom outlet paint pressure pot with agitation, double regulators, moisture trap, 1/2" I.D. fluid hose, 3/8" I.D. air hose. DeVilbiss MBC 510 spray gun with AC tip and needle, NO. 62 air cap, or Binks Model NO. 18 spray gun with NO. 68 needle and 678 PB air cap.

### **Mastic:**

Binks Model 7-E2 Mastic Gun with 3/16" orifice and 3/8 F air cap or Graco Model 20400 series C5G Mastic Gun with orifice NO. 160-321 air cap. Bottom outlet pressure pot with double regulators. 3/4" I.D. fluid hose and 3/8" air hose.

### **Mixing:**

Sift dry powder into liquid component while agitating with mechanical mixer. The use of a "Jiffy Mixer" is recommended. When mixing and spraying wear respirators.

### **Application:**

Flush spray equipment with plenty of fresh water before and immediately after use. Apply in wet cross sprayed coats, overlapping each pass 50%. Do not use excessive atomization pressure, as it will cause over spray and dusting.

For ballast tank service apply one coat at 45-50 mils DFT. For dry voids service apply one coat @ 20-25 mils.

### **Ventilation:**

In confined areas forced air ventilation is required to remove water vapors and to speed drying.

### **Warning:**

Simkote-2004 powder and spray dust is harmful. When mixing and spraying wear respirators. Avoid contact with skin and eyes. In case of contact, flush skin with water. For eyes flush with plenty of water for 15 minutes and get medical attention.

### **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.