



## Conductive Containers Incorporated

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### 2178-WBSD Static Dissipative Coating FOR INDUSTRIAL USE ONLY

2178-WBSD is a water base static dissipative urethane coating used for coating tool handles, measuring devices, instruments and other items requiring ESD protection. 2178-WBSD can be dipped or brushed and exhibits excellent petroleum, chemical, UV, corrosion and abrasion resistance. 2178-WBSD bonds to most metals and plastics with minimal preparation.

#### TYPICAL PHYSICAL PROPERTIES

PROPERTY	ASTM	VALUE
Solids: (wt)		40%
Temperature use range:		-0° F to 250° F
Conductivity:		$10^7 - 10^8$
Shelf Life:		1+yrs. @ 77°F Unopened container
Freeze thaw stability:		Excellent
Finish:		Semi gloss
Chemical resistance:		
Petroleums:	D-1308	Excellent
Acids, alkaline:	D-1308	Good
Alcohol, ketone, chlorine solvent:	D-1308	Limited
Coverage:		150 sq.ft./gal. at 5 mils

#### OTHER FEATURES INCLUDE:

Excellent flexibility, scuff resistance, (eliminated FOD), cushioning and impact absorption.  
Non-flammable, very safe. Very low VOC's.

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All information, recommendations and suggestions appearing in this bulletin concerning the use of our products are based upon tests and data believed to be reliable; however, it is the user's responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Conductive Containers, Inc. as to the effects of such use or the results to be obtained, nor does Conductive Containers, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable, when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein contained is to be construed as permission or as a recommendation to infringe any patent.

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**SURFACE PREPARATIONS:**

**MIX WELL BEFORE USE.**

All surfaces to be coated must be free of all oils, grease, dirt, wax, and loose rust. A sandblasted or rough surface improves adhesion. Roughen any smooth metal surfaces.

**USE ADEQUATE VENTILATION.**

**DIPPING:** Gently mix before each use. Do not introduce air bubbles. Insert item 1" every 5 seconds. Remove at same rate. Allow to completely dry before applying additional coats to desired thickness.

**BRUSH/ROLLER:** Gently mix before each use. Apply wet overlapping coats using a foam brush, pad or roller. Allow to completely dry before applying additional coats to desired thickness.

**HINTS:**

For storage or dip tank containers, use only poly or galvanized steel. A dry film thickness of 8-10 mils is recommended for best results. Allow overnight drying whenever possible. To speed drying, mild heat (95°F-110°F) and air flow may be used. Do not stack or store parts in contact with each other if not fully cured. Avoid excessive air movement, heat or humidity. Always use proper ventilation and protection.