



TECHNICAL DATA SHEET #46

ESD F-914 C-975 *Conductive*

**POLYURETHANE BASED COATING
FOR INDUSTRIAL USE ONLY**

DESCRIPTION:

F-914 C-975 is a water base *conductive* polyurethane coating used for coating tool handles, measuring devices, instruments and other items where ESD safe surfaces are needed.

F-914 C-975 can be dipped or brushed and exhibits excellent petroleum, chemical, UV, corrosion and abrasion resistance.

F-914 C-975 bonds to most metals and plastics with minimal preparation.

OTHER FEATURES INCLUDE:

Excellent flexibility, scuff resistance [eliminates FOD], cushioning and impact absorption.

Non-flammable, very safe

Very low VOC's

SPECIFICATIONS:

Solids: (wt.) 37%

Temperature use range: -0°F to 250°F

Conductivity: 10/0-10/4

Shelf life: 1+ year at 77° F unopened container

Freeze thaw stability: Excellent

Coverage: 150 sq.ft. per gallon at 5 mils

Finish: Semi gloss

CHEMICAL RESISTANCE:

Petroleum: Excellent

Acid, alkaline: Good

Alcohol, ketone, chlorinated solvent: Limited

ALTERNATIVE PRODUCTS:

F-914 C-950

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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 - F-914 C-975: 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 - F-914 C-975: 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.