



## CP-1 Contrast Paint

### Technical Data Sheet

**Description:** CP-1 contrast paint provides a high contrast background for interpreting magnetic particle indications. By applying white, CP-1 contrast paint to a part before magnetic particle inspection, indications will show more clearly against a white background and be easier to interpret. CP-1 enhances the visibility of black or red-brown magnetic particles under white light conditions. CP-1 is very useful when the color of the surface being inspected approaches the color of the dark magnetic particles.

#### Chemical Properties

Color: White Liquid  
Fluorescence: None  
Odor: Petroleum Odor

#### Companion Products

Black Oxide

#### Packaging

16oz. Aerosol Cans (9 cans per case)

#### Storage/Shelf Life

Keep away from moisture and sunlight.

Temperature limit: 40°F to 125°F (4-50°C)

Keep the container closed when not in use.

Shelf life from invoice date: Aerosol Can - 36 months



### **Special Features**

1. Provides a high contrast background for interpreting magnetic particle indications.
2. Indications show more clearly against a white background.
4. **CP-1** contrast paint is a strippable coating.

### **Instructions**

**Note:** These instructions describe the basic process, but they may need to be amended by the user to comply with applicable specification and /or inspection criteria provided by the contracting agency.

1. Clean the test surface to be inspected and allow to dry.
2. Apply a thin layer of **CP-1** to the clean dry surface. The coating thickness should not exceed fifty microns.
3. Allow the coating to dry.
4. Apply the magnetic particles with the magnetic equipment in contact. (It may be necessary to remove **CP-1** from electrical contact points).
5. Inspect the surface under appropriate lighting. Collections of fluorescent magnetic particles will reveal defects at the leakage fields.
6. Repeat the magnetic process by changing the magnetizing equipment by 90°.

### **Health & Safety**

**CP-1** contrast paint is flammable. Use with adequate ventilation and away from sparks, fire or open flames. Avoid prolonged or repeated contact with skin. Do not take internally. Consult the MSDS for more safety and health information.