

RESISTIVITY

1. SCOPE

This test procedure is used to measure resistance of a wet paint to aid in paint solvent formulation & as a measure to maintain proper electrostatic applications properties.

2. REFERENCE STANDARDS

None

3. MATERIALS & EQUIPMENT

3.1 Ransburg paint resistivity meter & paint probe No. (70408-00)

3.2 Polyethylene 500 ml disposable cups. (Gardner Staccup #06619 or equivalent)

3.3 Cleaning solvent, soft brush and clean disposable rags.

3.4 Minimum of one quart of paint to be evaluated.

3.5 Production solvent used for viscosity reduction if applicable.

Note: High solids, VOC conforming coatings are not reduced with solvent.

4. PROCEDURE

4.1 Prepare a well mixed, homogeneous paint sample free of air bubbles at room temperature. $25 \pm 3^{\circ}\text{C}$ ($77 \pm 5^{\circ}\text{F}$)

Note: If the paint is used in a region that does not require VOC regulations, reduce the paint with the proper solvent to the correct application viscosity.

4.2 Using a calibrated resistivity meter & probe place the probe in the polyethylene container and pour in paint until the level is just above the holes at the slit in the metal cover. See figure #1.

4.3 Move the switch on the meter to "test" and read the resistivity in megohms. Normally the readings are within .1-1.0 megohms.(100,000-1,000,000 ohms)

4.4 Turn the meter off, remove probe from paint and allow paint to drain. Remove sleeve & clean the probe and sleeve with cleaning solvent & wipe dry.

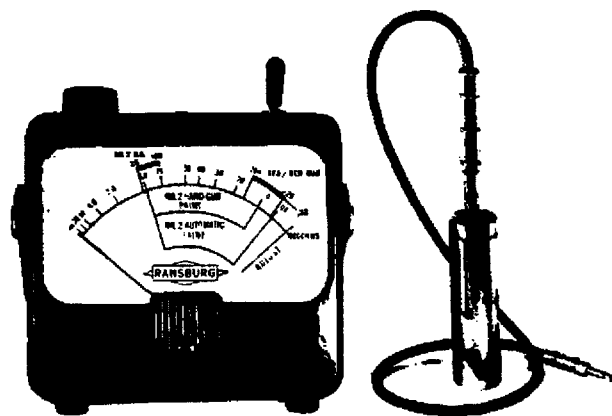


FIGURE 1

5. REPORT

5.1 Record the reading in megohms and if the reading is within the specified range the paint is acceptable.

					NAME	STD RESISTIVITY			
					 NEW HOLLAND			ENGINEERING SPECIFICATION	
								FRAME 1 OF 2	
								PART NUMBER	
								86507661	
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MATERIALS / FERROUS

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4.2 Since there maybe some variation in specific coatings & also in electrostatic application equipment some coatings may be out of range (up to 5 or 10 megohms) and still have satisfactory production application properties. In such cases a small production test to evaluate electrostatic & paint properties takes precedence.

	NAME				PART NUMBER	
	STD RESISTIVITY				86507661	
ENGINEERING SPECIFICATION		REV. B	FRAME 2	OF 2		