

MEASUREMENT OF GLOSS CHANGE OF FLAT ENAMELS AFTER POLISHING

Application

This procedure is used to determine the increase of gloss after polishing (polish back) of low gloss or flat exterior enamels.

Apparatus Required

Glossmeter

60°, refer FLTM BI 110-01

Polishing Block

Total weight of block must be twelve pounds. (See Figure 1)

Urethane Foam

4 inches x 6 inches x 1 inch thick.

Felt Squares

White filtering felt, 23 - 25 ounce weight per square yard, cut into 7 inch squares.

Polish

Rotunda R-122-A polish.

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Date	Action	Revisions
2001 03 13	Revised	Editorial – No technical change A. Cockman
1992 06 17		

Printed copies are uncontrolled

Page 1 of 3

Copyright © 2001, Ford Global Technologies, Inc.

Procedure

1. Determine and record gloss of panel being tested, using a 60° glossmeter.
2. Apply Rotunda polish to the felt on the polishing block, so that the entire surface is coated with a thin film of polish.
3. Place felt surface on panel and polish for 10 cycles, applying force in a horizontal direction only, so that only the polishing block exerts pressure on the panel. One cycle consists of one forward and one return stroke.
4. Determine and record gloss of polished panel, using a 60° glossmeter.
5. Report initial gloss, final gloss and gloss difference.

Chemicals, materials, parts, and equipment referenced in this document must be used and handled properly. Each party is responsible for determining proper use and handling in its facilities.