

CROCKMETER SCUFF TEST

Application

This method is used to determine the resistance to scuffing of the surface of trim materials.

Apparatus Required

Crockmeter

- or equivalent equipment with a reciprocating stroke of variable length -50, 75, and 100 mm - together with an effective load of 900 g on the Scuffhead.

Sources: Model CM-5
 Atlas Electric Devices Co.
 4114 N. Ravenswood Ave.
 Chicago, Illinois U.S.A.

Or Firma Walter Thoma
 7888 Rheinfelden/Baden
 Wehrstrasse 6 Germany

Scuffhead

The special Scuffhead required for this test (see Figure 1) is designed to replace the wooden cylindrical finger provided with the Crockmeter machine. Care must be taken to mount and firmly hold the Scuffhead blade perpendicular to the stroke of the machine.

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 09 24	Revised	Editorial – no technical change A. Cockman
1989 11 07		

Printed copies are uncontrolled

Page 1 of 3

Copyright © 2001, Ford Global Technologies, Inc.

Procedure

1. Prepare test specimens of 20 mm minimum width and where possible of 150 mm minimum length, so that the maximum stroke of the Crockmeter can be employed. Shorter lengths of specimen may be used providing there is at least 10 mm of specimen in excess of the stroke length applied.
2. Position and secure the specimen on the support fixture so that the area to be evaluated is aligned with the stroke of the Scuffhead.
3. Adjust the Crockmeter stroke to the maximum length allowed by the test specimen and scuff the specimen for the number of cycles required by the Engineering Materials Specification.

Evaluation

Remove specimen and assess according to the Engineering Materials Specification requirements. Do not include the last 6 mm at either end of the scuffed area in the evaluation.

Note: When mounting foam backed specimens, depth of foam in excess of 7 mm must be removed unless otherwise indicated by the Engineering Materials Specification. The foam must be cut to provide as near as possible a horizontal level surface for the Scuffhead to traverse.

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.