

**TM 14-13**

**Test Method for Factory  
Applied Clear and  
Pigmented Coatings for  
Interior Prefinished Wood  
and Wood Cellulosic  
Composites Used for  
Millwork**

WINDOW & DOOR  
MANUFACTURERS ASSOCIATION



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**Window and Door Manufacturers Association**  
**WDMA TM.14-2013**  
**TEST METHOD**  
**FOR FACTORY APPLIED CLEAR AND PIGMENTED COATINGS FOR INTERIOR**  
**PREFINISHED WOOD AND WOOD CELLULOSIC COMPOSITES USED FOR**  
**MILLWORK**

**1. Purpose**

This document is intended to provide a nationally recognized guideline for the performance recommendation and evaluation procedures for Factory Applied Clear and Pigmented Coatings on interior wood and cellulosic composites for millwork products. It will serve as a basis of common understanding for producers, distributors, and users. It will also promote fair competition within the industry and assist purchasers and end users in obtaining properly coated millwork.

**2. Scope**

This document describes standard tests required for factory applied clear and pigmented coatings for interior wood and cellulosic composite millwork that will ensure a minimum acceptable level of performance with respect to film integrity and general appearance without the application of an additional field coating.

**3. General**

- 3.1** To meet this guideline, tested products shall meet all recommendations as specified herein.
- 3.2.** Coatings shall be visibly free from flow lines, streaks, blisters or other surface imperfections in the dry-film state on exposed surfaces. The samples shall be examined at arm's length (three feet) under normal plant lighting conditions.
- 3.3** Total dry film thickness on exposed surfaces shall be specified per the coating manufacturer and measured in accordance with ASTM D 7091, ASTM D1005 or ASTM D 6132.
- 3.4** Color uniformity for opaque finishes and gloss for opaque and clear finishes shall be measured in accordance with ASTM D 523 and shall be consistent with the color range or numerical value as established between the producer and user.

**4. Test Specimens**

- 4.1** A minimum of 10 test specimen replicates shall be evaluated for each test in Section 5. Test specimens shall be prepared from typical millwork stock. The stock, flat-grained sapwood or composites shall have moisture content not to exceed 12 percent by oven dry weight, and shall be surfaced and contoured. The specimens shall be at least 3 inches (76 mm) wide with flat, coated surfaces on which to conduct instrument readings.