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