WDMA TM 6-23 Adhesive Durability

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Test Method for Determining the Durability of Adhesives Used in Doors Under Accelerated Aging Conditions

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1. SCOPE

1.1. These test methods establish standard methods to determine the durability of adhesive bonds between plies of wood by exposing test specimens to cyclic conditions of extremes in temperature and humidity.

1.2. The durability of these bonds is crucial to the performance of the door in the field. This standard will not determine the useful age of doors in service as a result of the data obtained during this test, it will, however, indicate what the effects of extreme temperature and humidity will have on the performance of the adhesives used in constructing doors.

2. APPLICABLE DOCUMENTS

2.1. WDMA I.S. 1A, Industry Standard for Architectural Wood Flush Doors

2.2. WDMA I.S. 6A, Industry Standard for Architectural Wood Stile and Rail Doors

3. SIGNIFICANCE AND USE

These test methods provide testing, measurement, and inspection criteria using common species of lumber and veneer used in the construction of architectural wood doors. Requirements are given for Type I (exterior) and Type II (interior) adhesive bond tests. Provisions are made for identifying construction and type of adhesive bond of doors which fully comply with this standard.