

**TM 15-11**

**Vertical Edge Impact Test**

**Test Method for Determining  
the Vertical Edge Impact  
Resistance of Backing for  
Veneered Wood Door Stiles**



**WINDOW & DOOR  
MANUFACTURERS ASSOCIATION**

**WDMA**

THE WINDOW & DOOR MANUFACTURERS ASSOCIATION

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# WINDOW & DOOR MANUFACTURERS ASSOCIATION

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## TEST METHOD FOR DETERMINING THE VERTICAL EDGE IMPACT RESISTANCE OF BACKING FOR VENEERED WOOD DOOR STILES

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### 1. SCOPE

This test method determines the ability of a backer material for veneered wood door stiles to resist impact along its vertical corner edge. This is a small-scale test, using a falling weight to impart an impact load to the edge of a sample. The depth of the depression created by the impact constitutes the pass/fail criteria.

### 2. SIGNIFICANCE AND USE

- 2.1. This test method can be used to evaluate the reaction of various veneered door stile backer material combinations, including solid or veneered wood, and engineered constructions. The method considers an impact as might be generated by an uncushioned rolling cart or hospital gurney as a benchmark to establish a comparison between materials. Damage to the test specimens measured by this test is compared to an acceptable level based on testing of door stiles with veneered edges and basswood hardwood backer.