



Designation: D 6381 – 03ab

Standard Test Method for Measurement of Asphalt Shingle Mechanical Uplift Resistance¹

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1. Scope

1.1 This test method covers measuring the uplift resistance of asphalt roofing shingles by mechanical means. It is applicable to shingles that use a factory-applied or field-applied sealant.

1.2 There are several types of shingles designed for service without a factory-applied or field-applied sealant. These shingles, when applied in accordance with the manufacturers' application instructions, employ other means to provide resistance against the forces generated by the action of wind such as geometry and shingle construction. Field experience has shown that these types of shingles function satisfactorily in service. Because there are a variety of these shingle designs, it is not practical to describe in this test method how to test these shingles for uplift resistance. The testing of these types of shingles, therefore, goes beyond the scope of this test method.

1.3 This test method describes two procedures for measuring shingle uplift resistance. Procedure A employs a specially designed apparatus with a clamping device which facilitates lifting of the edge of the shingle and measuring the force required to break the seal. Procedure B employs a metal "T" section adhered to the weather surface of the shingle to facilitate application and measurement of a perpendicular force to break the seal.

1.4 It is not prohibited to use this test method over a range of sealing time and temperature combinations and testing temperatures to simulate a variety of actual field use conditions. The times and temperatures used shall be stated in the report.

1.5 The values stated in SI units are to be regarded as the standard. The inch-pound values given in parentheses are for information only.

1.6 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

¹ This test method is under the jurisdiction of ASTM Committee D08 on Roofing and Waterproofing and is the direct responsibility of Subcommittee D08.02 on Prepared Roofings, Shingles and Siding Materials.

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