



RESIDENTIAL INFORMATION BULLETIN

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ASTM D7158 CLASS H

For many years the only ASTM "wind resistance" test was ASTM D 3161, in which a deck of shingles was constructed, warmed in an oven to activate the shingle sealant, and a large fan blew air at the shingles. The test was carried out at 60 mph, and if a shingle tab lifted, the shingle failed the test. In recent years the test has been augmented to add different "Class" levels at higher wind speeds (eg. Class A = 60 mph, Class F = 110 mph). The marketplace required assessment of shingle wind resistance to even higher speeds for select hurricane/coastal climates. A separate, lab/calculation-based method was developed (ASTM D 7158) to infer wind resistance at higher speeds, using data on shingle geometry/stiffness/thickness, along with the shingle sealant bond strength (per ASTM D6381). There are different Class levels according to this method as well (eg. Class D = a theoretical 90 mph wind resistance, Class H = a theoretical 150 mph wind resistance). In some regions local inspectors and building owners are requiring shingles that have been tested to and meet ASTM D 7158 Class H. IKO's full line of asphalt shingles has been tested to, and complies with, this Class H standard. It is important to note that this compliance in no way affects/changes the Limited Wind Warranty coverage for our shingles.

For additional information on any of IKO's products or application requirements, visit us on the web at www.iko.com, or contact us in Canada at 1-888-766-2468, or the United States at 1-888-456-7663.