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Technical Advisory Bulletin

To: GAF Residential Sales, GAF Contractors, Field Services, AIS, CARE
From: Technical Services
No: TAB-R-159

Florida Building Code- Residential & Asphalt Shingle Wind Ratings

What Are The Wind Resistance Requirements For Asphalt Shingles?

The 2020 Florida Building Code-Residential (FBC-R) requires shingles to be tested in accordance with ASTM D3161, ASTM D7158 or TAS 107. These three documents are test methods and are used to determine wind uplift classifications.

How Do You Determine The Required Wind Resistance Rating?

Under the 2020 FBC-R... the required wind resistance is determined by selecting the “class” designation that corresponds to the specified “maximum basic wind speed (V_{ult})” which is determined from Figure R301.2(4), see below:

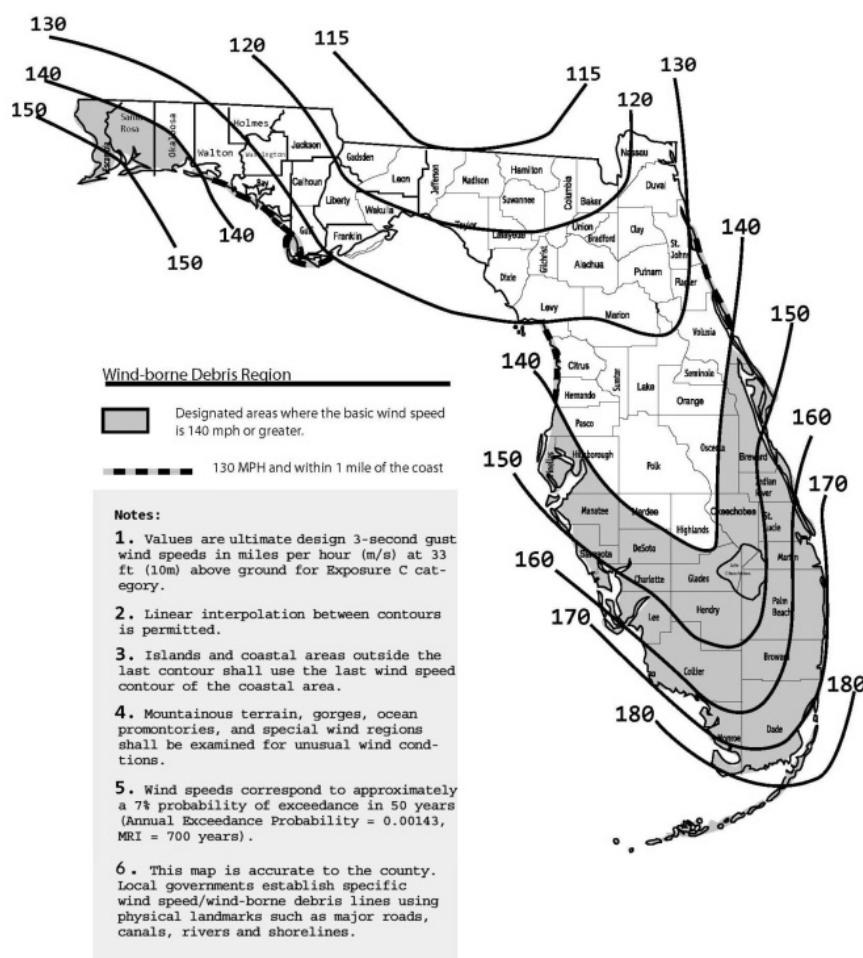


Table R905.2.6.1 shows the shingle classifications that comply with the different ultimate wind speed values .

TABLE R905.2.6.1 CLASSIFICATION OF ASPHALT SHINGLES

Maximum Basic Wind Speed, V_{ult} From Figure R301.2(4)	V_{asd} as determined in accordance with Section R301.2.1.3	ASTM D7158	ASTM D3161
110	85	D, G or H	D or F
116	90	D, G or H	D or F
129	100	G or H	D or F
142	110	G or H	F
155	120	G or H	F
168	130	H	F
181	140	H	F
194	150	H	F

Because all GAF shingles are both ASTM D7158 Class H and ASTM D3161 Class F, **they are compliant with the most stringent requirements of the 2020 FBC-R.**

*How Do I Know
That My GAF
Shingles Are Code
Compliant?*

Always check the label on the shingles! GAF labels all of its asphalt shingles that are tested in accordance with both ASTM D3161 and ASTM D7158. It is always best to check the label for the class of performance for the product you are going to install just to verify that it complies.

Questions?

GAF Technical Services Can Assist You... with these and other questions you may have regarding your new roof installation. Technical Support Services can be contacted at 800-766-3411. The GAF website is a great resource for just about any question you may have or for additional information you may require. Please visit www.gaf.com to find the latest information on our products and their installation.

Important: This document supersedes any prior GAF Technical Advisory Bulletins on this topic. Please always check www.gaf.com to make sure you have the most up to date information.