

TIA-222-G Basic Wind Speed (3 sec gust) and Ice Requirements

CONNECTICUT COUNTIES	TIA-222G Basic Wind Speed (3-sec gust, min/max mph)	TIA-222G Basic Wind Speed (3-sec gust, min/max mph) w/ Radial Ice	TIA-222G Ice Thickness (min/max in.)	Notes
FAIRFIELD	90/110	40/50	0.75	1,2
HARTFORD	90/105	40/50	1.00	
LITCHFIELD	90/100	40/40	0.75/1.00	1,2
MIDDLESEX	100/120	50	0.75	
NEW HAVEN	95/115	50	0.75	
NEW LONDON	105/120	50	0.75	
TOLLAND	95/105	40/50	0.75/1.00	
WINDHAM	100/110	40/50	0.75/1.00	

Footnotes:

1. Special wind regions exist within county. Refer to design criteria maps in Appendix 1 of TIA-222-G. Local authority having jurisdiction may require higher basic wind speeds for a specific site location in these regions to account for local wind conditions.
2. Special ice regions exist within county. Refer to design criteria maps in Appendix 1 of TIA-222-G. Local authority having jurisdiction may require higher basic wind speeds with ice and/or higher design ice thicknesses for a specific site location in these regions to account for local wind on ice conditions.
3. Wind speeds indicated above are minimum and maximum values as outlined in Section 16 of TIA-222-G. Refer to Appendix K of the 2005 CT State Building Code Amendment to IBC 2003 for local basic wind speed.

TIA/EIA-222-F Basic Wind Speed (fastest mile) and Ice Requirements

CONNECTICUT COUNTIES	TIA/EIA-222F Basic Wind Speed (Fastest Mile, mph)	TIA/EIA-222F Basic Wind Speed (Fastest Mile, mph) w/ Radial Ice	TIA/EIA-222F Ice Thickness (min/max in.)	Notes
FAIRFIELD	85	74	0.50	2
HARTFORD	80	69	0.50	2
LITCHFIELD	80	69	0.50	1,2
MIDDLESEX	85	74	0.50	2
NEW HAVEN	85	74	0.50	2
NEW LONDON	85	74	0.50	2
TOLLAND	85	74	0.50	2
WINDHAM	85	74	0.50	2

Footnotes:

1. Sites may be within a special wind region indicated on ASCE 7 wind map. Check with local authorities before specifying basic wind speed. Refer to Section 16 of TIA/EIA-222-F.
2. County is within 100 miles from hurricane coastline. Tabulated values of basic wind speed have been adjusted in accordance with ASCE 7 to obtain 50-year recurrence intervals. Refer to Section 16 of TIA/EIA-222-F.