

TABLE C26.5-6 Design Wind Speeds: ASCE 7-93 to ASCE 7-10

ASCE 7-05 Design Wind Speed (3-sec gust in mph)	ASCE 7-10 Design Wind Speed (3-sec gust in mph)	ASCE 7-93 Design Wind Speed (fastest mile in mph)
85	110*	71
90	115*	76
100	126	85
105	133	90
110	139	95
120	152	104
130	164	114
140	177	123
145	183	128
150	190	133
170	215	152

*Wind speed values of 110 mph and 115 mph were rounded from the “exact” conversions of $85\sqrt{1.6} = 108$ and $90\sqrt{1.6} = 114$ mph, respectively.

Table C26.7-1 Range of z_0 by Exposure Category

Exposure Category	Lower Limit of z_0 , ft (m)	Typical Value of z_0 , ft (m)	Upper Limit of z_0 , ft (m)	z_0 inherent in Tabulated K_z Values in Tables 27.3.1, 28.3.1, 29.3.1 and 30.3.1 ft (m)
A	$2.3 (0.7) \leq z_0$	6.6 (2)	—	
B	$0.5 (0.15) \leq z_0$	1.0 (0.3)	$z_0 < 2.3 (0.7)$	0.66 (0.20)
C	$0.033 (0.01) \leq z_0$	0.066 (0.02)	$z_0 < 0.5 (0.15)$	0.066 (0.02)
D	—	0.016 (0.005)	$z_0 < 0.033 (0.01)$	0.016 (0.005)