

Terrain Exposure Constants

Table 26.9-1

Exposure	α	z_g (ft)	\hat{a}	\hat{b}	$\bar{\alpha}$	\bar{b}	c	ℓ (ft)	$\bar{\epsilon}$	z_{min} (ft)*
B	7.0	1200	1/7	0.84	1/4.0	0.45	0.30	320	1/3.0	30
C	9.5	900	1/9.5	1.00	1/6.5	0.65	0.20	500	1/5.0	15
D	11.5	700	1/11.5	1.07	1/9.0	0.80	0.15	650	1/8.0	7

* z_{min} = minimum height used to ensure that the equivalent height \bar{Z} is greater of $0.6h$ or z_{min} .
 For buildings with $h \leq z_{min}$, \bar{Z} shall be taken as z_{min} .

In metric

Exposure	α	z_g (m)	\hat{a}	\hat{b}	$\bar{\alpha}$	\bar{b}	c	ℓ (m)	$\bar{\epsilon}$	z_{min} (m)*
B	7.0	365.76	1/7	0.84	1/4.0	0.45	0.30	97.54	1/3.0	9.14
C	9.5	274.32	1/9.5	1.00	1/6.5	0.65	0.20	152.4	1/5.0	4.57
D	11.5	213.36	1/11.5	1.07	1/9.0	0.80	0.15	198.12	1/8.0	2.13

* z_{min} = minimum height used to ensure that the equivalent height \bar{Z} is greater of $0.6h$ or z_{min} .
 For buildings with $h \leq z_{min}$, \bar{Z} shall be taken as z_{min} .