



Project no	0001	Date	11/09/2019
Name	Sample project	Prepared by	TR
Item		Checked by	BB
Notes	A sample wind factor calculation	Revision	
File	Sample wind factor in town and by sea.ssc	Page	1 of 1

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## TG20:13 wind factor calculations

In accordance with BS EN 1991-1-4:2005 + A1:2010 and NASC TG20:13.

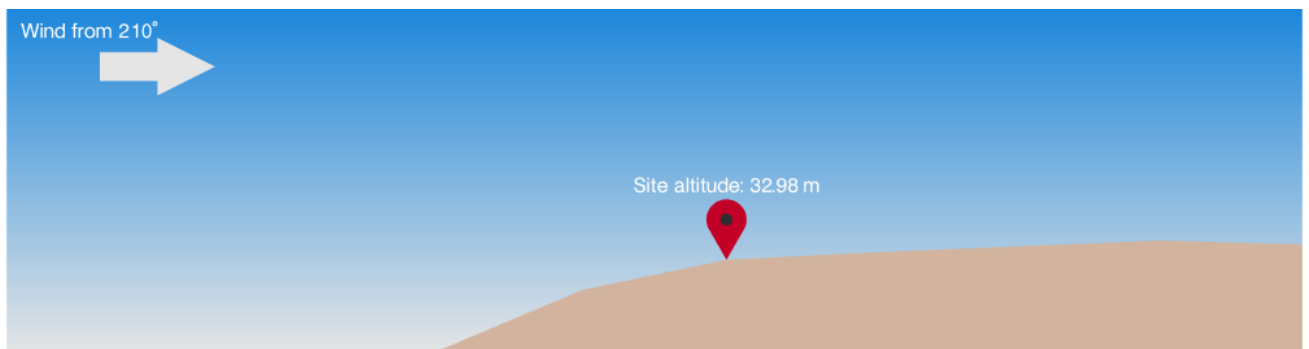
### Site location



Description	Value
Site address	Toft Steps, Bournemouth BH1 3EN, UK
Site location	50.720°N, 1.854°W
Structure height, h	20.00 m
Sheltered by surrounding buildings	Yes
Standing season	Any season
Design life	2 years
Site altitude, A	32.98 m
Fundamental basic wind velocity, $v_{b,map}$	21.84 m/s

### Site elevation profile

The elevation profile for the dominant wind sector (sector 8, at 210°) is:



### Results summary

Description	Value
Wind factor, $ST_{TG20:13}$	25.7
Peak velocity pressure, $q_{p(z)}$	0.898 kN/m <sup>2</sup>
Wind factor classification	Moderate
Dominant wind direction	210 °