

From EN 1991-1-4:2005

(2) The wind force F_w acting on a structure or a structural component may be determined directly by using Expression (5.3)

$$F_w = \underline{c_s c_d} \cdot c_f \cdot q_p(z_e) \cdot A_{ref} \quad (5.3)$$

From CAESAR II Wind Load input screen:

Load Cases	Wind Loads	Wave Loads
Editing Wind Case <input type="text" value="1"/> of <input type="text" value="4"/> <input type="button" value="Copy Wind Vector"/>		
<u>Wind Load Parameters</u>		
<u>Select Wind Code/Profile and Year</u>		
<input type="text" value="EN 1991-1-4"/> <input type="text" value="2005"/>		
<u>Wind Direction Specification</u>		
X Wind Direction Cosine (or Vector)	<input type="text" value="0.0000"/>	
Y Wind Direction Cosine (or Vector)	<input type="text" value="0.0000"/>	
Z Wind Direction Cosine (or Vector)	<input type="text" value="1.0000"/>	
Ref. Wind Velocity (Vb,0)	<input type="text" value="95.14"/>	ft./sec.
Terrain Category	<input type="text" value="0 - Sea or Coa"/>	
Directionality Factor (Cdir)	<input type="text" value="1.00"/>	
Season Factor (Cseason)	<input type="text" value="1.00"/>	
<u>Structural Factor (CsCd)</u>	<input type="text" value="1.00"/>	
Force Coefficient (Cf)	<input type="text" value="0.80"/>	
Structure Damping Coeff.	<input type="text" value="0.05"/>	