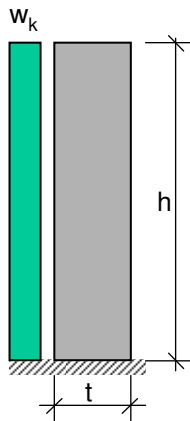


# Bemessungsdiagramme Freistehende Wand unter Windlast

(DIN EN 1996-1-1: Genaueres Verfahren)

## Beispiel

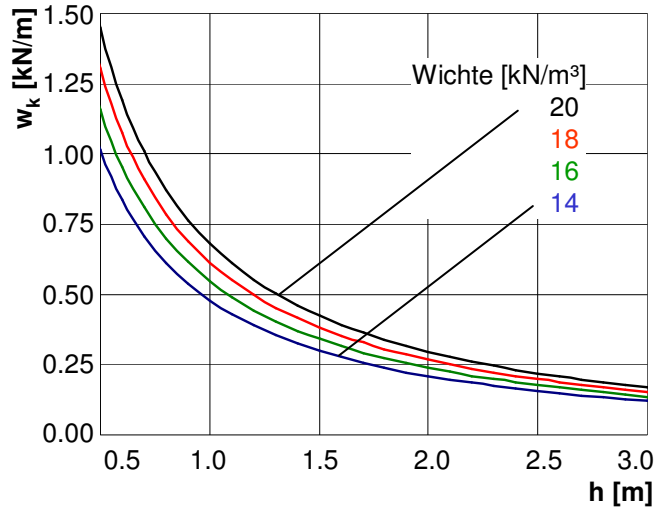
t = 36.5 cm  
h = 1.3 m  
Wichte = 20 kN/m<sup>3</sup>



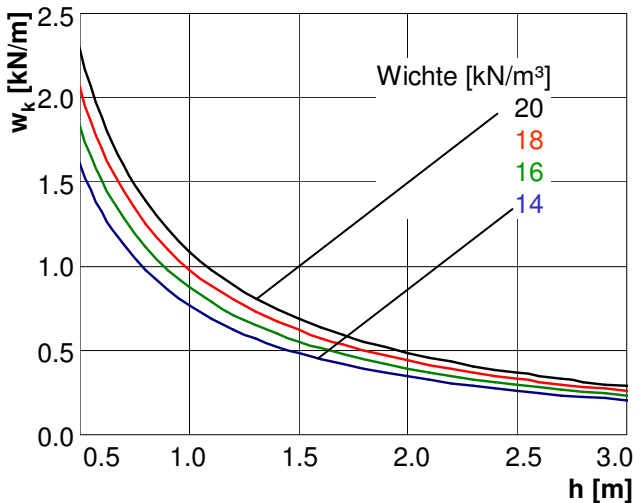
$$w_k = 1.2 \text{ kN/m}^2$$

Freistehende Wand  
(DIN EN 1991-1-4)  
 $w_k = c_p \cdot q$   
 $q = 0.50 \text{ kN/m}^2$  (Binnenland)  
 $c_p = 2.1$  (Zone B,  $l/h > 10$ )  
Nachweis:  
 $w_k = 2.1 \cdot 0.5 = 1.05 < 1.2 \text{ kN/m}^2$

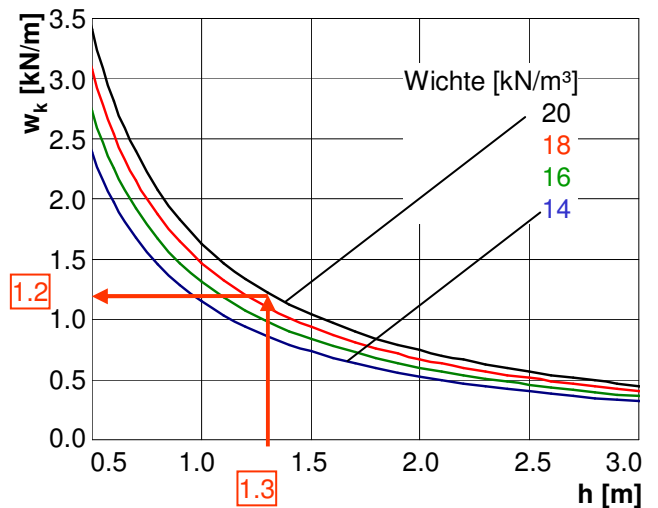
### t = 24 cm



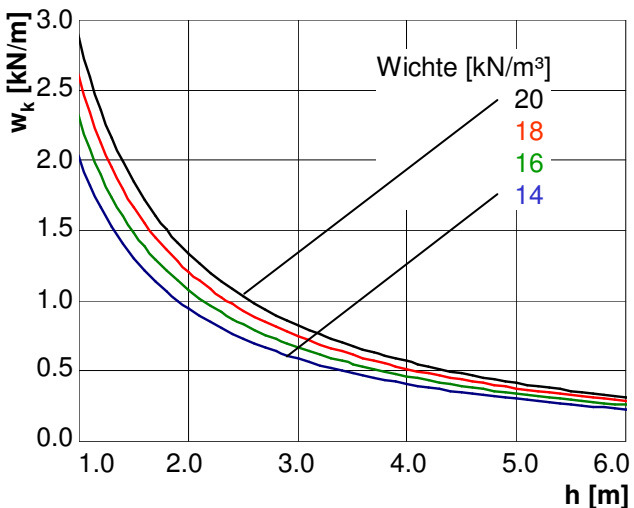
### t = 30 cm



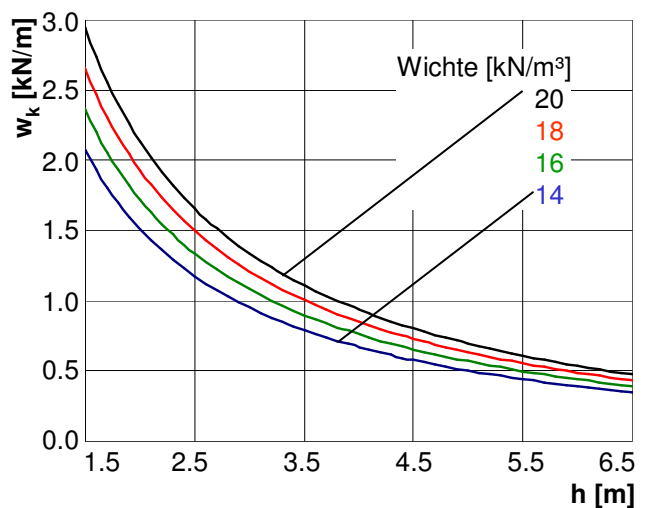
### t = 36.5 cm



### t = 48 cm



### t = 60 cm



(Mauerwerks- und Mörteldruckfestigkeit  $f_k \geq 1.8 \text{ N/mm}^2$ )