

Statik Innenwand



nach Zulassung Z 9.1-559
 DIN 1052 (2008) bzw. EN 1995-1-1 (2006)

Innenwände (kein Winddruck)

Eigen- gewicht gk*)	Nutzlast nk	Höhe (Knicklänge)											
		2,50 m				3,00 m				4,00 m			
		R 0	R 30	R 60	R 90	R 0	R 30	R 60	R 90	R 0	R 30	R 60	R 90
10,00	10,00	60 C3s	80 C3s	80 C3s	100 C3s	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	100 C5s	120 C3s
	20,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	30,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	40,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	50,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	60,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
20,00	10,00	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	100 C5s	120 C3s
	20,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	30,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	40,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	50,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	60,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
30,00	10,00	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	100 C5s	120 C3s
	20,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	30,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	40,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	50,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	60,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
40,00	10,00	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	100 C5s	120 C3s
	20,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	30,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	40,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	50,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	60,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
50,00	10,00	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	100 C5s	120 C3s
	20,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	30,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	40,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	50,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	60,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
60,00	10,00	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	80 C3s	120 C3s	60 C3s	80 C3s	100 C5s	120 C3s
	20,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	30,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	40,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	50,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s
	60,00			100 C5s	120 C3s			100 C5s	120 C3s			100 C5s	120 C3s

* Das Eigengewicht von CLT ist mit $p = 500 \text{ kg/m}^3$ in der Tabelle bereits berücksichtigt!

NKL 1, Nutzlast Kategorie A ($\psi_0 = 0,7$; $\psi_1 = 0,5$; $\psi_2 = 0,3$)

Tragfähigkeit:

- a) Nachweis als Knickstab (Druck nach dem Ersatzstabverfahren)
- b) Schubspannungen

$k_{mod} = 0,8$

Brand:

$v_{1,i} = 0,63 \text{ mm/min}$
 $v_{1,a} = 0,86 \text{ mm/min}$

R0
R30
R60
R90

Diese Tabelle dient lediglich zur Vorbemessung und ersetzt keine statische Berechnung!