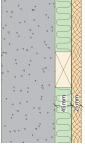
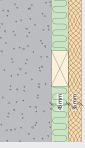
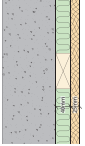
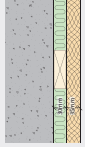
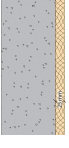



# Sound absorption values – Walls

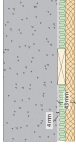
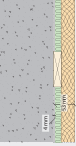
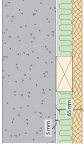
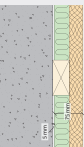
Constructions with Troldtekt and Troldtekt Plus tested according to DS/ISO 354

## Troldtekt installed on concrete walls

Constructions with Troldtekt and mineralwool installed directly on concrete walls		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	$\alpha_w$	NRC	Class
	Concrete 45 mm mineral wool 45 mm wooden battens 25 mm Troldtekt	0,20	0,60	1,0	0,90	0,85	1,0	0,85	0,85	B
	Concrete 45 mm mineral wool 45 mm wooden battens 35 mm Troldtekt	0,25	0,65	1,0	0,90	0,90	1,0	0,90	0,85	A
	Concrete 40 mm mineral wool 40 mm wooden battens 25 mm Troldtekt	0,24	0,58	1,01	0,92	0,80	0,96	0,85	0,80	B
	Concrete 30 mm mineral wool 30 mm wooden battens 35 mm Troldtekt	0,20	0,51	0,99	0,85	0,80	0,97	0,80	0,80	B

Constructions with Troldtekt installed directly on concrete walls		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	$\alpha_w$	NRC	Class
	Concrete 25 mm Troldtekt	0,08	0,13	0,23	0,41	0,75	0,60	0,35	0,40	D
	Concrete 35 mm Troldtekt	0,10	0,20	0,35	0,70	0,80	0,70	0,40	0,50	D

## Troldtekt Plus installed on concrete walls

Constructions with Troldtekt Plus installed directly on concrete walls		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	$\alpha_w$	NRC	Class
	Concrete 22 mm wooden battens 25+18 mm Troldtekt Plus	0,10	0,30	0,75	1,00	0,85	0,95	0,60	0,70	C
	Concrete 22 mm wooden battens 35+18 mm Troldtekt Plus	0,15	0,30	0,80	1,0	0,90	1,0	0,60	0,75	C
	Concrete 45 mm wooden battens 25+40 mm Troldtekt Plus	0,20	0,60	1,0	0,95	0,90	0,95	0,90	0,90	A
	Concrete 45 mm wooden battens 35+40 mm Troldtekt Plus	0,25	0,65	1,0	0,95	0,95	1,0	0,95	0,90	A