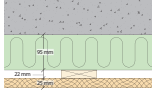
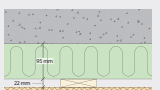
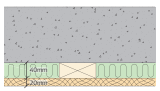
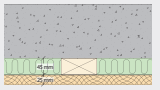
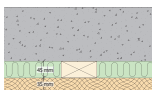
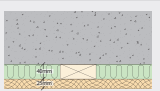
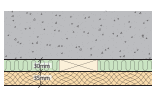
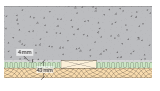
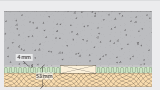
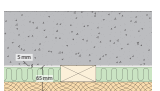
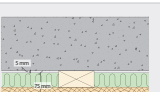


Sound absorption values – Ceilings

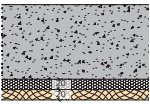
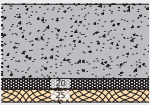
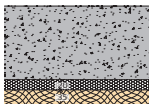

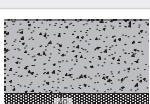

Constructions with Troldtekt and Troldtekt Plus tested according to DS/ISO 354

Troldtekt installed on concrete

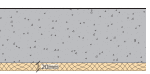

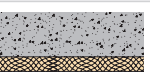

Constructions with Troldtekt and mineral wool installed directly on concrete		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 95 mm mineral wool 22 mm wooden battens 25 mm Troldtekt	0,65	1,00	0,95	0,90	0,85	1,00	0,90	0,95	A
	Concrete 95 mm mineral wool 22 mm wooden battens 35 mm Troldtekt	0,65	1,00	0,90	0,90	0,90	1,00	0,90	0,95	A
	Concrete 40 mm mineral wool 40 mm wooden battens 20 mm Troldtekt	0,20	0,55	1,00	1,00	0,85	0,90	0,85	0,85	B
	Concrete 45 mm mineral wool 45 mm wooden battens 25 mm Troldtekt	0,20	0,60	1,00	0,90	0,85	1,00	0,85	0,85	B
	Concrete 45 mm mineral wool 45 mm wooden battens 35 mm Troldtekt	0,25	0,65	1,00	0,90	0,90	1,00	0,90	0,85	A
	Concrete 40 mm mineral wool 40 mm wooden battens 25 mm Troldtekt	0,25	0,60	1,00	0,90	0,80	0,95	0,85	0,85	B
	Concrete 30 mm mineral wool 30 mm wooden battens 35 mm Troldtekt	0,20	0,50	1,00	0,85	0,80	0,95	0,80	0,80	B

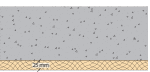
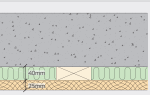
Constructions with Troldtekt Plus installed directly on concrete		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 22 mm wooden battens 25+18 mm Troldtekt Plus	0,10	0,30	0,75	1,00	0,85	0,95	0,60	0,75	C
	Concrete 22 mm wooden battens 35+18 mm Troldtekt Plus	0,15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

Troldekt installed on concrete

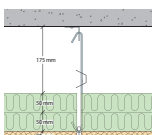
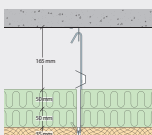
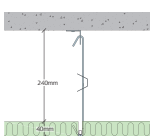
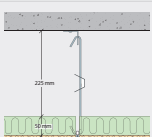
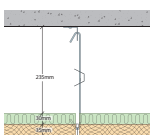
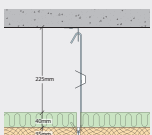
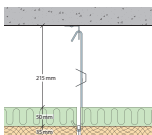
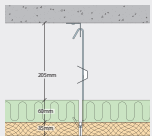
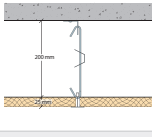
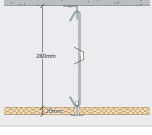
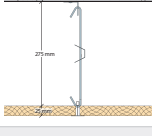
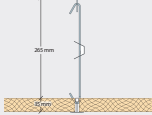
Constructions with Troldekt Plus-Stratocell installed directly on concrete		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Klasse
	Concrete 20+20 mm Troldekt akustik Plus-Stratocell	0,10	0,30	0,85	1,00	0,85	0,85	0,60	0,75	C
	Concrete 25+20 mm Troldekt akustik Plus-Stratocell	0,15	0,35	0,90	1,00	0,90	0,95	0,65	0,80	C
	Concrete 35+20 mm Troldekt akustik Plus-Stratocell	0,15	0,40	0,95	1,00	0,95	0,95	0,70	0,85	C
	Concrete 20+40 mm Troldekt akustik Plus-Stratocell	0,20	0,55	1,00	0,95	0,95	0,95	0,85	0,90	B
	Concrete 25+40 mm Troldekt akustik Plus-Stratocell	0,20	0,60	1,00	1,00	1,00	0,95	0,90	0,90	A
	Concrete 35+40 mm Troldekt akustik Plus-Stratocell	0,25	0,60	1,00	1,00	1,00	0,95	0,90	0,95	A

Troldekt installed on concrete

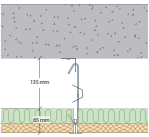
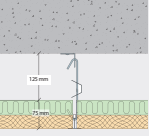
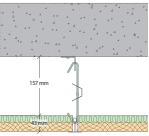
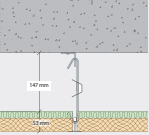
Constructions with Troldekt installed directly on concrete		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 20 mm Troldekt	0,07	0,11	0,18	0,32	0,64	0,70	0,30	0,30	D
	Concrete 25 mm Troldekt	0,10	0,15	0,25	0,40	0,75	0,60	0,30	0,40	D
	Concrete 35 mm Troldekt	0,10	0,20	0,35	0,70	0,80	0,70	0,30	0,35	D
	Concrete 50 mm Troldekt	0,15	0,25	0,50	0,85	0,70	0,85	0,50	0,55	D

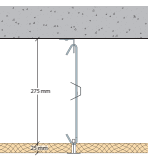
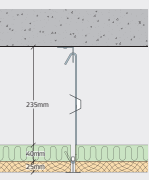
Constructions with Troldekt A2 with and without mineral wool installed directly on concrete		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 25 mm Troldekt A2	0,10	0,15	0,25	0,45	0,80	0,70	0,35	0,40	D
	Concrete 40 mm mineral wool 25 mm Troldekt A2	0,25	0,60	1,00	0,95	0,85	1,00	0,85	0,85	B

Trolldtekt installed as suspended ceiling

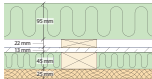
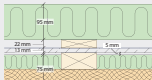
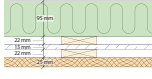
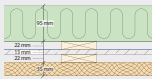
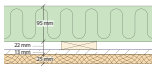
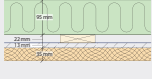
Constructions with Trolldtekt		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 275 mm space 50 mm mineral wool 50 mm mineral wool 25 mm Trolldtekt	0,75	1,00	0,95	0,90	0,80	0,90	0,90	0,90	A
	Concrete 265 mm space 50 mm mineral wool 50 mm mineral wool 35 mm Trolldtekt	0,80	0,95	0,90	0,85	0,85	0,95	0,90	0,90	A
	Concrete 280 mm space 40 mm mineral wool 20 mm Trolldtekt	0,60	0,90	0,95	0,95	0,90	0,90	0,95	0,90	A
	Concrete 275 mm space 50 mm mineral wool 25 mm Trolldtekt	0,60	0,90	0,85	0,85	0,80	0,90	0,85	0,85	B
	Concrete 265 mm space 30 mm mineral wool 35 mm Trolldtekt	0,60	0,85	0,80	0,85	0,85	1,00	0,85	0,85	B
	Concrete 265 mm space 40 mm mineral wool 35 mm Trolldtekt	0,65	0,90	0,85	0,85	0,90	1,00	0,90	0,90	A
	Concrete 265 mm space 50 mm mineral wool 35 mm Trolldtekt	0,70	0,90	0,90	0,90	0,90	0,95	0,90	0,90	A
	Concrete 265 mm space 60 mm mineral wool 35 mm Trolldtekt	0,70	0,90	0,90	0,90	0,90	0,95	0,90	0,90	A
	Concrete 200 mm space 25 mm Trolldtekt	0,20	0,45	0,45	0,35	0,50	0,60	0,45	0,45	C
	Concrete 280 mm space 20 mm Trolldtekt	0,25	0,45	0,35	0,45	0,55	0,65	0,45	0,45	D
	Concrete 275 mm space 25 mm Trolldtekt	0,30	0,40	0,30	0,40	0,45	0,60	0,40	0,40	D
	Concrete 265 mm space 35 mm Trolldtekt	0,30	0,55	0,45	0,55	0,70	0,80	0,55	0,55	D

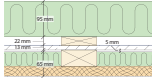
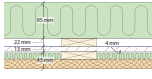
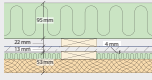
Troldekt installed as suspended ceiling

Constructions with Troldekt Plus		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 200 mm space 25+40 mm Troldekt Plus	0,50	0,90	1,00	1,00	0,90	1,00	1,00	0,95	A
	Concrete 200 mm space 35+40 mm Troldekt Plus	0,55	0,90	1,00	1,00	0,90	1,00	1,00	0,95	A
	Concrete 200 mm space 25+18 mm Troldekt Plus	0,45	0,80	1,00	1,00	0,90	1,00	1,00	0,90	A
	Concrete 200 mm space 35+18 mm Troldekt Plus	0,50	0,85	1,00	1,00	0,90	1,00	1,00	0,95	A

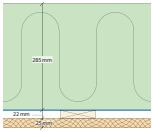
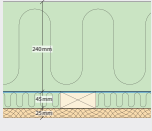
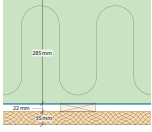
Constructions with Troldekt A2		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	Concrete 275 mm space 25 mm Troldekt A2	0,30	0,45	0,40	0,50	0,60	0,75	0,50	0,50	D
	Concrete 275 mm space 40 mm mineral wool 25 mm Troldekt A2	0,60	0,85	0,95	1,00	0,95	1,00	1,00	0,90	A

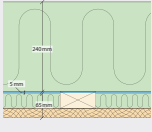
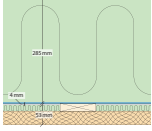
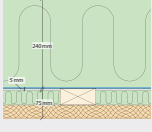
Troldekt installed on gypsum

Constructions with Troldekt installed on gypsum		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 45 mm wooden battens 45 mm mineral wool 25 mm Troldekt	0,30	0,60	1,00	0,95	0,85	1,00	0,85	0,85	B
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 45 mm wooden battens 45 mm mineral wool 35 mm Troldekt	0,35	0,60	1,00	0,90	0,90	1,00	0,90	0,85	A
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 22 mm wooden battens 25 mm Troldekt	0,25	0,20	0,35	0,70	0,65	0,70	0,40	0,50	D
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 22 mm wooden battens 35 mm Troldekt	0,25	0,20	0,35	0,70	0,65	0,70	0,40	0,50	D
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 25 mm Troldekt	0,20	0,15	0,25	0,50	0,85	0,65	0,35	0,45	D
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 35 mm Troldekt	0,25	0,20	0,35	0,60	0,75	0,75	0,40	0,50	D

Constructions with Troldekt Plus installed on gypsum		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 45 mm wooden battens 25+40 mm Troldekt Plus	0,30	0,55	1,00	1,00	0,95	0,95	0,85	0,90	B
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 45 mm wooden battens 35+40 mm Troldekt Plus	0,30	0,60	1,00	1,00	1,00	1,00	0,90	0,90	A
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 45 mm wooden battens 25+18 mm Troldekt Plus	0,25	0,30	0,70	1,00	0,90	0,95	0,60	0,75	C
	95 mm mineral wool 22 mm wooden battens 13 mm gypsum 45 mm wooden battens 35+18 mm Troldekt Plus	0,25	0,35	0,80	1,00	0,90	1,00	0,65	0,75	C

Troldekt and mineral wool installed over purlins and rafters

Constructions with Troldekt		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	285 mm mineral wool Vapour barrier 22 mm wooden battens 25 mm Troldekt	0,75	0,90	0,95	0,85	0,90	0,80	0,90	0,90	A
	240 mm mineral wool Vapour barrier 45 mm wooden battens 45 mm mineral wool 25 mm Troldekt	0,70	0,90	1,00	1,00	0,85	1,00	0,95	0,95	A
	285 mm mineral wool Vapour barrier 22 mm wooden battens 35 mm Troldekt	0,70	0,95	0,95	0,90	0,85	0,85	0,90	0,90	A

Constructions with Troldekt Plus		Frequency [Hz]						Specifications		
		125	250	500	1000	2000	4000	α_w	NRC	Class
	285 mm mineral wool Vapour barrier 22 mm wooden battens 25+18 mm Troldekt Plus	0,70	0,85	1,00	1,00	0,95	1,00	1,00	0,95	A
	240 mm mineral wool Vapour barrier 45 mm wooden battens 25+40 mm Troldekt Plus	0,65	0,85	1,00	1,00	0,95	1,00	1,00	0,95	A
	285 mm mineral wool Vapour barrier 22 mm wooden battens 35+18 mm Troldekt Plus	0,65	0,85	1,00	1,00	0,95	1,00	1,00	0,95	A
	240 mm mineral wool Vapour barrier 45 mm wooden battens 35+40 mm Troldekt Plus	0,70	0,85	1,00	1,00	1,00	1,00	1,00	1,00	A
	285 mm mineral wool Vapour barrier 22 mm wooden battens 25+18 mm Troldekt Plus	0,70	0,85	1,00	1,00	1,00	1,00	1,00	0,95	A