

Sound absorption values – Ceilings

Constructions with Trolldtekt panels

Tested according to DS/ISO 354

TCH = Total Construction Height

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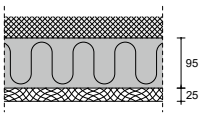
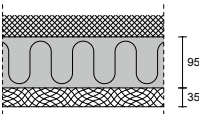
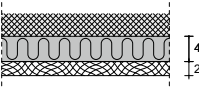
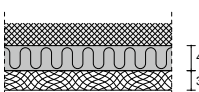
Trolldtekt Plus 12

Trolldtekt design &
Trolldtekt design Plus 14

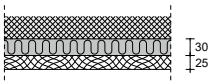
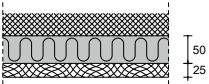
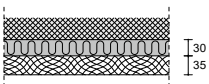
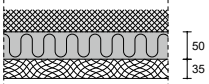
Trolldtekt A2 &
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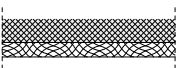
Troldekt acoustic panels

Installed on concrete

Constructions with Troldekt and mineral wool installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 Concrete 95 mm mineral wool 30 kg/m³ 25 mm Troldekt TCH 120 mm												
	Fine structure	0.55	1.00	1.00	0.90	0.80	1.00	0.90	1.00	A	April 2017	SRL
	Ultrafine structure	0.55	1.00	1.00	0.95	0.90	1.00	0.95	1.05	A	April 2017	SRL
	Extreme fine structure	0.55	1.00	1.00	0.95	0.90	1.00	0.95	1.00	A	April 2017	SRL
 Concrete 95 mm mineral wool 30 kg/m³ 35 mm Troldekt TCH 130 mm												
	Fine structure*	0.60	1.00	1.00	0.85	0.95	0.95	0.95	0.95	A	2015	Peutz
	Ultrafine structure	0.65	1.00	1.00	0.95	1.00	1.00	1.00	1.05	A	June 2018	SRL
	Extreme fine structure	0.60	1.00	1.00	0.95	1.00	1.00	1.00	1.05	A	June 2017	SRL
 Concrete 45 mm mineral wool 30 kg/m³ 25 mm Troldekt TCH 70 mm												
	Fine structure	0.25	0.85	1.00	0.90	0.95	1.00	0.90	0.95	A	April 2017	SRL
	Ultrafine structure	0.25	0.75	1.00	1.00	0.90	1.00	0.95	0.95	A	April 2017	SRL
	Extreme fine structure	0.25	0.80	1.00	0.95	0.85	1.00	0.95	0.95	A	April 2017	SRL
 Concrete 45 mm mineral wool 30 kg/m³ 35 mm Troldekt TCH 80 mm												
	Fine structure	0.30	0.85	1.00	0.85	0.90	1.00	0.90	0.95	A	June 2017	SRL
	Ultrafine structure	0.30	0.85	1.00	0.95	0.90	1.00	0.95	1.00	A	June 2017	SRL
	Extreme fine structure	0.30	0.85	1.00	0.95	0.95	1.00	1.00	0.95	A	June 2017	SRL

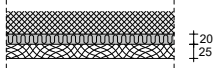
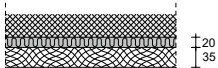
*95 mm mineral wool 33 kg/m³

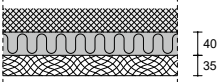
Constructions with Troldekt and mineral wool installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 Concrete 30 mm mineral wool 70 kg/m³ 25 mm Troldekt TCH 55 mm												
	Fine structure	0.20	0.70	1.00	1.00	0.85	1.00	0.90	0.95	A	April 2017	SRL
	Ultrafine structure	0.20	0.65	1.00	1.00	1.00	1.00	0.95	0.95	A	April 2017	SRL
	Extreme fine structure	0.20	0.65	1.00	1.00	0.90	1.00	0.90	0.95	A	April 2017	SRL
 Concrete 50 mm mineral wool 90 kg/m³ 25 mm Troldekt TCH 75 mm												
	Fine structure	0.35	1.00	1.00	1.00	0.95	1.00	1.00	1.10	A	April 2017	SRL
	Ultrafine structure	0.35	1.00	1.00	1.00	1.00	1.00	1.00	1.10	A	April 2017	SRL
	Extreme fine structure	0.35	1.00	1.00	1.00	0.95	1.00	1.00	1.10	A	April 2017	SRL
 Concrete 30 mm mineral wool 70 kg/m³ 35 mm Troldekt TCH 65 mm												
	Fine structure	0.20	0.70	1.00	1.00	0.90	1.00	0.95	0.95	A	June 2017	SRL
	Ultrafine structure	0.25	0.75	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Extreme fine structure	0.25	0.75	1.00	1.00	0.90	1.00	0.95	1.00	A	June 2017	SRL
 Concrete 50 mm mineral wool 90 kg/m³ 35 mm Troldekt TCH 85 mm												
	Fine structure	0.40	1.00	1.00	0.95	0.95	1.00	1.00	1.05	A	June 2017	SRL
	Ultrafine structure	0.40	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Extreme fine structure	0.40	1.00	1.00	1.00	0.95	1.00	1.00	1.05	A	June 2017	SRL

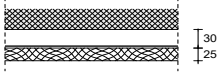
Constructions with Troldekt installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 25 mm Troldekt											
	TCH 25 mm											
	Fine structure	0.10	0.15	0.30	0.65	0.95	0.85	0.35	0.55	D	April 2017	SRL
	Ultrafine structure	0.10	0.15	0.30	0.60	0.90	0.80	0.35	0.50	D	April 2017	SRL
	Extreme fine structure	0.10	0.15	0.30	0.60	0.90	0.70	0.35	0.50	D	April 2017	SRL
	Concrete 35 mm Troldekt											
	TCH 35 mm											
	Fine structure	0.10	0.25	0.45	0.85	0.85	0.90	0.50	0.60	D	June 2017	SRL
	Ultrafine structure	0.10	0.25	0.45	0.80	0.90	0.90	0.50	0.60	D	June 2017	SRL
	Extreme fine structure	0.10	0.25	0.50	0.85	0.90	0.90	0.50	0.60	D	June 2017	SRL

Troldtekt Plus

Installed on concrete

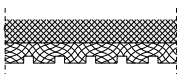
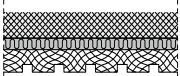
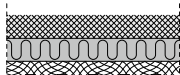
Constructions with Troldtekt Plus installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 Concrete 25+20 mm Troldtekt Plus: - 25 mm Troldtekt - 20 mm mineral wool 70 kg/m³ TCH 45												
	Fine structure	0.15	0.40	0.95	1.00	0.80	0.90	0.70	0.75	C	April 2024	SRL
	Ultrafine structure	0.15	0.45	1.00	1.00	0.80	1.00	0.75	0.85	C	April 2024	SRL
	Extreme fine structure	0.15	0.45	0.90	1.00	0.85	0.90	0.75	0.80	C	April 2024	SRL
 Concrete 35+20 mm Troldtekt Plus: - 35 mm Troldtekt - 20 mm mineral wool 70 kg/m³ TCH 55 mm												
	Fine structure	0.20	0.50	1.00	0.90	0.80	1.00	0.80	0.80	B	April 2024	SRL
	Ultrafine structure	0.20	0.55	1.00	0.95	0.85	0.95	0.85	0.85	B	April 2024	SRL
	Extreme fine structure	0.20	0.45	0.95	1.00	0.85	1.00	0.75	0.80	C	April 2024	SRL
 Concrete 25+40 mm Troldtekt Plus: - 25 mm Troldtekt - 40 mm mineral wool 70 kg/m³ TCH 65 mm												
	Fine structure	0.30	0.95	1.00	1.00	0.95	1.00	1.00	1.05	A	April 2017	SRL
	Ultrafine structure	0.30	0.85	1.00	1.00	1.00	1.00	1.00	1.05	A	April 2017	SRL
	Extreme fine structure	0.25	0.85	1.00	1.00	1.00	1.00	1.00	1.05	A	April 2017	SRL

Constructions with Troldekt Plus installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 35+40 mm Troldekt Plus: - 35 mm Troldekt - 40 mm mineral wool 70 kg/m³ TCH 75 mm											
	Fine structure	0.30	0.90	1.00	0.95	0.95	1.00	1.00	1.00	A	June 2017	SRL
	Ultrafine structure	0.30	0.90	1.00	1.00	0.95	1.00	1.00	1.00	A	June 2017	SRL
	Extreme fine structure	0.35	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017

Construction with Troldekt Plus 25 installed on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete Troldekt Plus 25 with acoustic fleece TCH 55 mm											
	Fine structure	0.10	0.30	0.70	1.00	0.95	0.95	0.60	0.75	C	Febr 2025	SRL
	Ultrafine structure	0.15	0.35	0.70	0.95	0.95	1.00	0.65	0.75	C	April 2024	SRL
	Extreme fine structure	0.15	0.30	0.65	0.90	0.95	1.00	0.60	0.70	C	April 2024	SRL

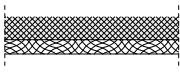
Troldtekt design & Troldtekt design Plus

Installed on concrete

Constructions with Troldtekt design installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 35 mm Troldtekt Line TCH 35 mm											
	Ultrafine structure	0.10	0.20	0.40	0.60	0.80	0.80	0.45	0.50	D	June 2018	SRL
Constructions with Troldtekt design Plus installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 18 mm mineral wool 70 kg/m3 35 mm Troldtekt Line TCH 53 mm											
	Ultrafine structure	0.15	0.40	0.90	1.00	0.95	1.00	0.70	0.80	C	June 2018	SRL
	Concrete 40 mm mineral wool 70 kg/m3 35 mm Troldtekt Line TCH 75 mm											
	Ultrafine structure	0.30	0.85	1.00	1.00	0.95	1.00	1.00	1.05	A	June 2018	SRL

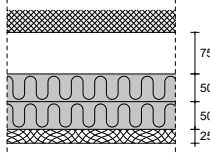
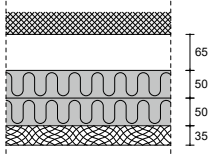
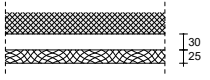
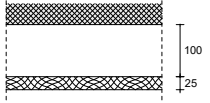
Troldtekt A2

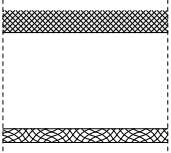
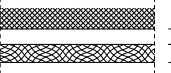
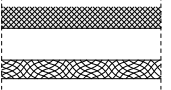
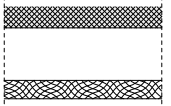
Installed on concrete

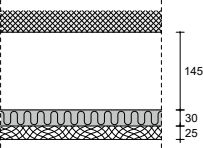
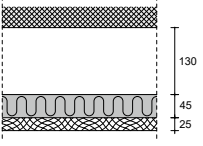
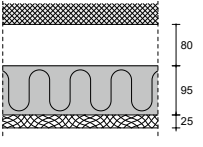
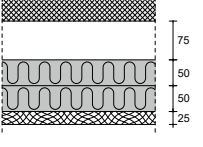
Construction with Troldtekt A2 installed directly on concrete		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 25 mm Troldtekt A2 TCH 25 mm											
	Fine structure	0.05	0.10	0.25	0.45	0.75	0.60	0.30	0.40	D	June 2017	SRL
	Ultrafine structure	0.05	0.15	0.35	0.70	1.00	0.90	0.40	0.55	D	June 2017	SRL
	Extreme fine structure	0.10	0.15	0.35	0.60	0.90	0.75	0.40	0.50	D	June 2018	SRL

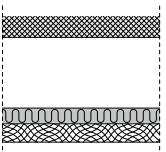
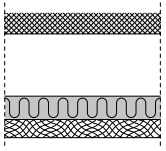
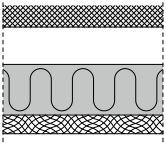
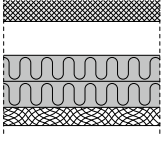
Troldekt acoustic panels

Installed as suspended ceiling

Constructions with Troldekt		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 75 mm space 50 mm mineral wool 70 kg/m ³ 50 mm mineral wool 70 kg/m ³ 25 mm Troldekt TCH 200 mm											
	Ultrafine structure	0.75	1.00	1.00	1.00	0.95	1.00	1.00	1.05	A	April 2017	SRL
	Concrete 65 mm space 50 mm mineral wool 70 kg/m ³ 50 mm mineral wool 70 kg/m ³ 35 mm Troldekt TCH 200 mm											
	Fine structure	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Ultrafine structure	0.75	1.00	1.00	1.00	1.00	1.00	1.00	1.10	A	June 2017	SRL
	Extreme fine structure	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Concrete 20 mm space 25 mm Troldekt TCH 45 mm											
	Fine structure	0.15	0.25	0.40	0.75	0.70	0.80	0.45	0.55	D	Sept 2020	SRL
	Ultrafine structure	0.10	0.25	0.45	0.85	0.70	0.85	0.50	0.60	D	Sept 2020	SRL
	Extreme fine structure	0.15	0.25	0.50	0.85	0.80	0.85	0.50	0.60	D	Sept 2020	SRL
	Concrete 30 mm space 25 mm Troldekt TCH 55 mm											
	Fine structure	0.10	0.20	0.55	0.90	0.70	0.95	0.50	0.60	D	April 2017	SRL
	Ultrafine structure	0.10	0.20	0.50	0.85	0.70	0.90	0.50	0.55	D	April 2017	SRL
	Extreme fine structure	0.10	0.20	0.50	0.85	0.70	0.85	0.50	0.55	D	April 2017	SRL
	Concrete 100 mm space 25 mm Troldekt TCH 125 mm											
	Fine structure	0.20	0.40	0.75	0.60	0.65	0.90	0.65	0.60	C	April 2017	SRL
	Ultrafine structure	0.20	0.35	0.70	0.65	0.65	0.90	0.65	0.60	C	April 2017	SRL
	Extreme fine structure	0.15	0.40	0.70	0.65	0.60	0.85	0.65	0.65	C	April 2017	SRL

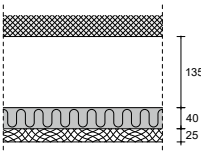
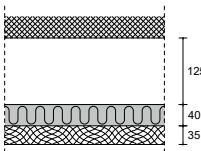
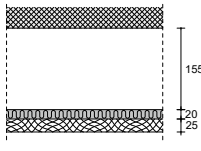
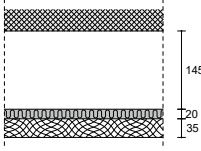
Constructions with Troldekt		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 175 mm space 25 mm Troldekt TCH 200 mm											
	Fine structure	0.25	0.50	0.60	0.50	0.70	0.90	0.60	0.60	C	Sept 2020	SRL
	Ultrafine structure	0.30	0.65	0.75	0.60	0.75	0.95	0.70	0.70	C	Sept 2020	SRL
	Extreme fine structure	0.30	0.65	0.75	0.60	0.80	0.95	0.70	0.70	C	Sept 2020	SRL
	Concrete 30 mm space 35 mm Troldekt TCH 65 mm											
	Fine structure	0.15	0.30	0.75	0.90	0.70	0.95	0.60	0.65	C	June 2017	SRL
	Ultrafine structure	0.15	0.30	0.70	0.90	0.75	0.95	0.60	0.65	C	June 2017	SRL
	Extreme fine structure	0.15	0.30	0.75	0.95	0.75	1.00	0.60	0.70	C	June 2017	SRL
	60 mm space 35 mm Troldekt TCH 95 mm											
	Ultrafine structure	0.15	0.35	0.85	0.75	0.85	0.95	0.65	0.70	C	June 2017	SRL
	100 mm space 35 mm Troldekt TCH 135 mm											
	Fine structure	0.15	0.35	0.80	0.65	0.75	1.00	0.65	0.65	C	June 2017	SRL
	Ultrafine structure	0.15	0.40	0.85	0.75	0.80	1.00	0.70	0.65	C	June 2017	SRL
	Extreme fine structure	0.15	0.40	0.85	0.80	0.80	1.00	0.70	0.70	C	June 2017	SRL
	165 mm space 35 mm Troldekt TCH 200 mm											
	Fine structure	0.25	0.70	0.70	0.60	0.85	1.00	0.70	0.70	C	June 2017	SRL
	Ultrafine structure	0.30	0.65	0.70	0.70	0.95	1.00	0.75	0.75	C	June 2017	SRL
	Extreme fine structure	0.25	0.70	0.80	0.65	0.85	1.00	0.75	0.75	C	June 2017	SRL

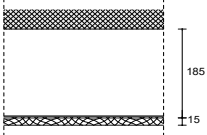
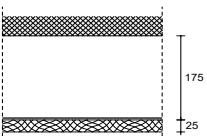
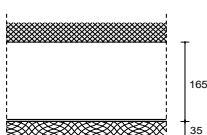
Constructions with Troldekt		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 145 mm space 30 mm mineral wool 70 kg/m³ 25 mm Troldekt TCH 200 mm												
	Fine structure	0.45	1.00	1.00	1.00	0.85	1.00	0.95	1.00	A	April 2017	SRL
	Ultrafine structure	0.45	1.00	1.00	1.00	0.95	1.00	1.00	1.05	A	April 2017	SRL
	Extreme fine structure	0.40	1.00	1.00	1.00	0.90	1.00	1.00	1.05	A	April 2017	SRL
 130 mm space 45 mm mineral wool 30 kg/m³ 25 mm Troldekt TCH 200 mm												
	Fine structure	0.50	1.00	1.00	0.95	0.80	1.00	0.90	1.00	A	April 2017	SRL
	Ultrafine structure	0.45	1.00	1.00	1.00	0.90	1.00	1.00	1.00	A	April 2017	SRL
	Extreme fine structure	0.45	1.00	1.00	1.00	0.85	1.00	0.95	1.05	A	April 2017	SRL
 80 mm space 95 mm mineral wool 30 kg/m³ 25 mm Troldekt TCH 200 mm												
	Fine structure	0.65	1.00	1.00	0.95	0.85	1.00	0.95	1.00	A	April 2017	SRL
	Ultrafine structure	0.60	1.00	1.00	1.00	0.95	1.00	1.00	1.05	A	April 2017	SRL
	Extreme fine structure	0.65	1.00	1.00	1.00	0.90	1.00	1.00	1.05	A	April 2017	SRL
 75 mm space 2x50 mm mineral wool 70 kg/m³ 25 mm Troldekt TCH 200 mm												
	Fine structure	0.80	1.00	1.00	1.00	0.85	1.00	0.95	1.00	A	April 2017	SRL
	Ultrafine structure	0.75	1.00	1.00	1.00	0.95	1.00	1.00	1.05	A	April 2017	SRL
	Extreme fine structure	0.80	1.00	1.00	1.00	0.90	1.00	1.00	1.05	A	April 2017	SRL

Constructions with Troldekt		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 135 mm space 30 mm mineral wool 70 kg/m³ 35 mm Troldekt TCH 200 mm												
	Fine structure	0.40	1.00	1.00	1.00	1.00	1.00	1.00	1.10	A	June 2017	SRL
	Ultrafine structure	0.45	0.95	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Extreme fine structure	0.45	0.95	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
 120 mm space 45 mm mineral wool 30 kg/m³ 35 mm Troldekt TCH 200 mm												
	Fine structure	0.45	1.00	1.00	0.95	0.95	1.00	1.00	1.00	A	June 2017	SRL
	Ultrafine structure	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	A	June 2017	SRL
	Extreme fine structure	0.45	1.00	1.00	0.95	1.00	1.00	1.00	1.00	A	June 2017	SRL
 70 mm space 95 mm mineral wool 30 kg/m³ 35 mm Troldekt TCH 200 mm												
	Fine structure	0.70	1.00	1.00	0.95	1.00	1.00	1.00	1.00	A	June 2017	SRL
	Ultrafine structure	0.65	1.00	1.00	0.65	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Extreme fine structure	0.65	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
 70 mm space 65 mm space 2x50 mm mineral wool 70 kg/m³ 35 mm Troldekt TCH 200 mm												
	Fine structure	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL
	Ultrafine structure	0.75	1.00	1.00	1.00	1.00	1.00	1.00	1.10	A	June 2017	SRL
	Extreme fine structure	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.05	A	June 2017	SRL

Troldekt Plus

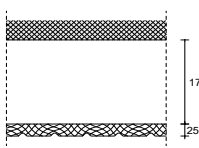
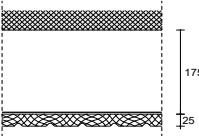
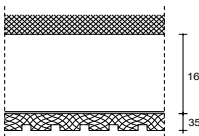
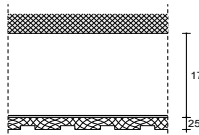
Installed as suspended ceiling

Constructions with Troldekt Plus		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 Concrete 135 mm space 25+40 mm Troldekt Plus: - 25 mm Troldekt - 40 mm mineral wool 70 kg/m³ TCH 200 mm												
	Fine structure	0.70	1.00	1.00	0.95	0.90	1.00	0.95	1.05	A	April 2024	SRL
	Ultrafine structure	0.70	1.00	1.00	0.95	0.95	1.00	1.00	1.05	A	April 2024	SRL
	Extreme fine structure	0.65	1.00	1.00	1.00	0.90	1.00	1.00	1.05	A	April 2024	SRL
 Concrete 125 mm space 35+40 mm Troldekt Plus: - 35 mm Troldekt - 40 mm mineral wool 70 kg/m³ TCH 200 mm												
	Fine structure	0.70	1.00	1.00	0.95	0.90	1.00	0.95	1.05	A	April 2024	SRL
	Ultrafine structure	0.70	1.00	1.00	0.95	0.95	1.00	1.00	1.05	A	April 2024	SRL
	Extreme fine structure	0.70	1.00	1.00	1.00	0.95	1.00	1.00	1.10	A	April 2024	SRL
 Concrete 155 mm space 25+20 mm Troldekt Plus: - 25 mm Troldekt - 20 mm mineral wool 90 kg/m³ TCH 200 mm												
	Fine structure	0.55	1.00	1.00	0.95	0.90	1.00	0.95	1.00	A	April 2024	SRL
	Ultrafine structure	0.60	1.00	1.00	0.95	0.90	1.00	0.95	1.00	A	April 2024	SRL
	Extreme fine structure	0.55	1.00	1.00	0.95	0.90	1.00	0.95	1.00	A	April 2024	SRL
 Concrete 145 mm space 35+20 mm Troldekt Plus: - 35 mm Troldekt - 20 mm mineral wool 90 kg/m³ TCH 200 mm												
	Fine structure	0.55	1.00	1.00	0.90	0.90	0.95	0.95	1.00	A	April 2024	SRL
	Ultrafine structure	0.65	1.00	1.00	0.90	0.90	1.00	0.95	1.00	A	April 2024	SRL
	Extreme fine structure	0.60	1.00	1.00	1.00	0.95	1.00	1.00	1.05	A	April 2024	SRL

Constructions with Troldekt Plus 15 - 25 - 35		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
 Concrete 185 mm space Troldekt Plus 15 with acoustic fleece TCH 200 mm												
	Fine structure	0.50	0.85	1.00	0.80	0.90	0.95	0.90	0.85	A	Febr 2025	SRL
	Ultrafine structure	0.45	0.80	1.00	0.80	0.85	1.00	0.85	0.85	A	Febr 2025	SRL
	Extreme fine structure	-	-	-	-	-	-	-	-	-	-	-
 Concrete 175 mm space Troldekt Plus 25 with acoustic fleece TCH 200 mm												
	Fine structure	0.45	0.85	1.00	0.80	0.95	1.00	0.90	0.90	A	Febr 2025	SRL
	Ultrafine structure	0.50	0.85	1.00	0.85	1.00	1.00	0.95	0.95	A	Febr 2025	SRL
	Extreme fine structure	0.50	0.85	1.00	0.85	0.95	1.00	0.95	0.90	A	Febr 2025	SRL
 Concrete 165 mm space Troldekt Plus 35 with acoustic fleece TCH 200 mm												
	Fine structure	0.45	0.85	1.00	0.85	1.00	1.00	0.95	0.95	A	Febr 2025	SRL
	Ultrafine structure	0.45	0.90	1.00	0.90	1.00	1.00	1.00	0.95	A	Febr 2025	SRL
	Extreme fine structure	0.45	0.85	1.00	0.90	1.00	1.00	1.00	0.95	A	Febr 2025	SRL

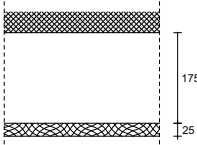
Troldtekt design & Troldtekt design Plus

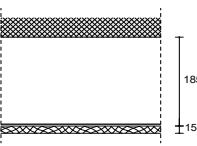
Installed as suspended ceiling

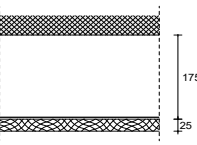
Construction with Troldtekt v-line		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 175 mm space 25 mm Troldtekt TCH 200 mm											
	Ultrafine structure	0.25	0.55	0.65	0.55	0.70	0.90	0,65	0,60	C	Febr 2025	SRL
Constructions with Troldtekt v-line Plus 25		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 175 mm space Troldtekt Plus 25 with acoustic fleece TCH 200 mm											
	Ultrafine structure	0.50	0.85	1.00	0.85	0.95	1.00	0.95	0.90	A	Febr 2025	SRL
Construction with Troldtekt line Plus 35		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 165 mm space Troldtekt line Plus 35 with acoustic fleece TCH 200 mm											
	Ultrafine structure	0.45	0.85	1.00	0.85	1.00	1.00	0.95	0.95	A	Febr 2025	SRL
Construction with Troldtekt Tiles T24 Plus 25		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 185 mm space Troldtekt Tiles T24 Plus 25 with acoustic fleece TCH 200 mm											
	Ultrafine structure	0.45	0.80	1.00	0.80	0.85	1.00	0.85	0.85	A	-	Estimated

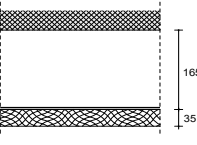
Troldtekt A2

Installed as suspended ceiling

Construction with Troldtekt A2		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 175 mm space 25 mm Troldtekt A2											
	TCH 200 mm											
	Fine structure	0.25	0.50	0.60	0.55	0.70	0.90	0.60	0.55	C	June 2018	SRL
	Ultrafine structure	0.25	0.50	0.65	0.55	0.70	0.90	0.65	0.60	C	June 2018	SRL

Construction with Troldtekt A2 Plus 15		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 185 mm space Troldtekt A2 Plus 15											
	TCH 200 mm											
	Fine structure	0.45	0.80	1.00	0.80	0.90	1.00	0.90	0.90	A	Febr 2025	SRL
	Ultrafine structure	0.45	0.80	1.00	0.80	0.90	1.00	0.90	0.90	A	Febr 2025	SRL

Construction with Troldtekt A2 Plus 25		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 175 mm space Troldtekt A2 Plus 25											
	TCH 200 mm											
	Fine structure	0.45	0.85	1.00	0.85	0.95	1.00	0.95	0.90	A	Febr 2025	SRL
	Ultrafine structure	0.50	0.85	1.00	0.85	1.00	1.00	0.95	0.90	A	Febr 2025	SRL
	Extreme fine structure	0.50	0.85	1.00	0.85	1.00	1.00	0.95	0.95	A	Febr 2025	SRL

Construction with Troldtekt A2 Plus 35		Frequency [Hz]						Specifications			Date	Institute
		125	250	500	1000	2000	4000	α_w	NRC	Class		
	Concrete 165 mm space Troldtekt A2 Plus 35											
	TCH 200 mm											
	Fine structure	0.45	0.85	1.00	0.85	1.00	1.00	0.95	0.90	A	Febr 2025	SRL
	Ultrafine structure	0.50	0.85	1.00	0.90	1.00	1.00	1.00	0.95	A	Febr 2025	SRL
	Extreme fine structure	0.50	0.85	1.00	0.90	1.00	1.00	1.00	0.95	A	Febr 2025	SRL



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