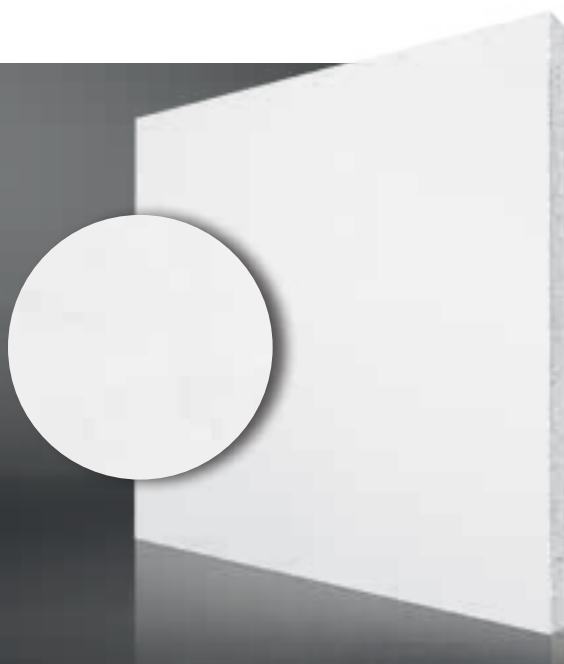


THERMATEX®

dB Acoustic (24 mm)

$D_{n,f,w}$ bis 43 dB

THERMATEX® dB Acoustic offers the right solution for increased sound attenuation requirements. The ceiling tile has excellent physical properties as well as very good sound absorption values. At the same time, the simple, harmonious surface design is impressive.

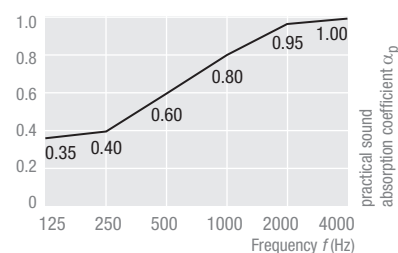


Technical Properties

Building material class	A2-s1, d0 as per EN 13501-1
Fire resistance	F30 - F90 as per DIN 4102 part 2 (as per test certificate) REI30 - REI90 per EN 13501 part 2 (as per test certificate)
Sound absorption	EN ISO 354 $\alpha_w = 0.65(H)$ as per EN ISO 11654 $NRC = 0.70$ as per ASTM C 423
Sound attenuation	$D_{n,f,w} = 41$ dB as per EN ISO 10848 (24 mm thickness, as per test certificate) $D_{n,f,w} = 43$ dB as per EN ISO 10848 (in semi-concealed system, as per test certificate)
Humidity resistance	up to 95% relative humidity
Light reflection	for white similar to RAL 9010 glare-free approx. 88%
Thermal conductivity	$\lambda = 0.052-0.057$ W/mK as per DIN 52612
Air permeability	PM1 (≤ 30 m ³ /hm ²) as per DIN 18177
Colour	white similar to RAL 9010

- System **A** Concealed system, tiles demountable / non-accessible
- System **C** Exposed system, tiles demountable
- System **F** Free span system, main runners exposed or concealed
- System **I** Parallel Bandrastrer construction, cross tees exposed or concealed

Sound absorption values



Available sizes and edges	Thickness/weight 24 mm (approx. 8.4 kg/m ²)					
	System C			System A	System F I	
	SK	VT 15/24	VT-S 15F	AW/GN	AW/SK	GN/SK
Please note minimum quantities and lead times						
600 x 600 mm	•	•	•	•	–	–
625 x 625 mm	•	•	•	•	–	–
600 x 1200 mm	•	•	•	–	–	–
625 x 1250 mm	•	•	•	–	–	–
300 x 1200 - 1800 mm	–	–	–	–	•	•