

3D VOLUMIC square

As at: 03/14/2024

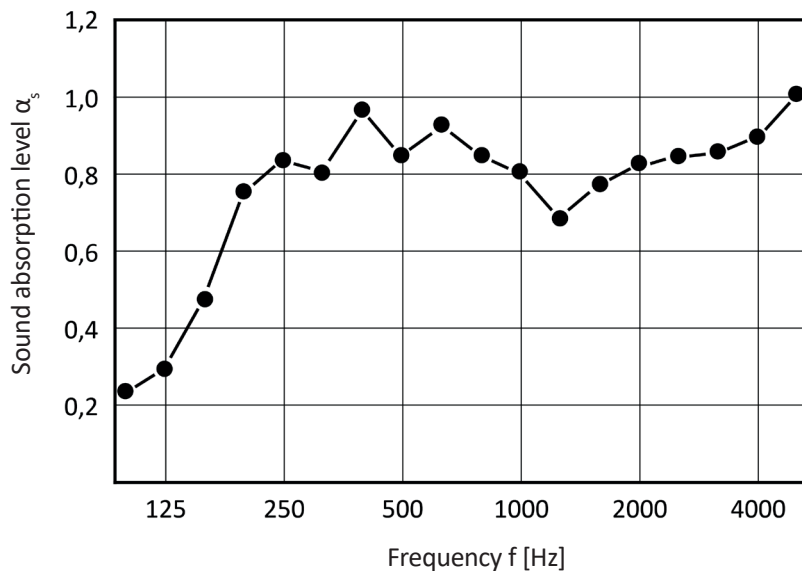
3D VOLUMIC square is impressively voluminous and has a characteristic three-dimensional surface texture. The fabric's high absorption values make it suitable for a range of interior uses – such as wall or ceiling elements and curtains, for example.

Use	acoustics & soundproofing, wall & ceiling, curtains
Colour	white/grey, customised colours available on request
Material	100 % Polyester FR, Trevira CS
Fabric weight	700 g/m ² +/- 5 %
Fabric width	standard: 170 cm +/- 5 %
Fabric thickness <small>acc. to DIN EN ISO 5084</small>	5,20 mm
Fire resistance rating <small>acc. to DIN EN ISO 4102</small>	flame retardant standard B1
Air permeability <small>acc. to DIN EN ISO 9237</small>	196 l/m ² /s
Light fastness <small>acc. to DIN 53952</small>	> 6
Abrasion rating <small>acc. to ISO 12947-1</small>	30.000 Martindale
Care	40° delicates cycle; wear white cotton gloves when fitting the fabric; surface dirt can be removed by carefully patting or vacuuming the fabric; carefully pat the fabric with a damp cloth to remove dirt – do not rub; seal edges with heated fabric edging scissors
Specific flow resistance <small>acc. to DIN EN ISO 29053</small>	R _s = 1071 Pa s/m

The technical specifications are valid for four months from receipt. Technical specifications may differ for dyed fabric.



Sound absorption level acc. to DIN EN ISO 354



Testing method details:
Measured as plane absorber at a distance to the floor in a sealed frame acc. to DIN EN ISO 354 Section 6.2.1 and Appendix 8.4

Testing method: Type E-150:
- Acoustic fabric tightly stretched across a sealed frame
- 150 mm clearance
- Floor

General measurement information:

Specimen area	10,80 m ²	Specimen area	10,80 m ²
Reverb. room volume:	203,3 m ³	Reverb. room volume:	203,3 m ³
Reverb. room surfaces:	212,3 m ²	Reverb. room surfaces:	212,3 m ²

Frequency [Hz]	Sound absorption level acc. to ISO 354 α_s	Practical sound absorption coefficient α_p	Frequency [Hz]	Sound absorption level acc. to ISO 354 α_s	Practical sound absorption coefficient α_p
100	0,24		800	0,85	
125	0,30	0,35	1000	0,81	0,80
160	0,48		1250	0,69	
200	0,76		1600	0,78	
250	0,84	0,80	2000	0,83	0,80
315	0,81		2500	0,85	
400	0,97		3150	0,86	
500	0,85	0,90	4000	0,90	0,90
630	0,93		5000	1,01*	

*) Absorption area > specimen area

Classification acc. to DIN EN ISO 11654: **classified sound absorption coefficient $\alpha_w = 0,85$** ; sound absorption class: B

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