

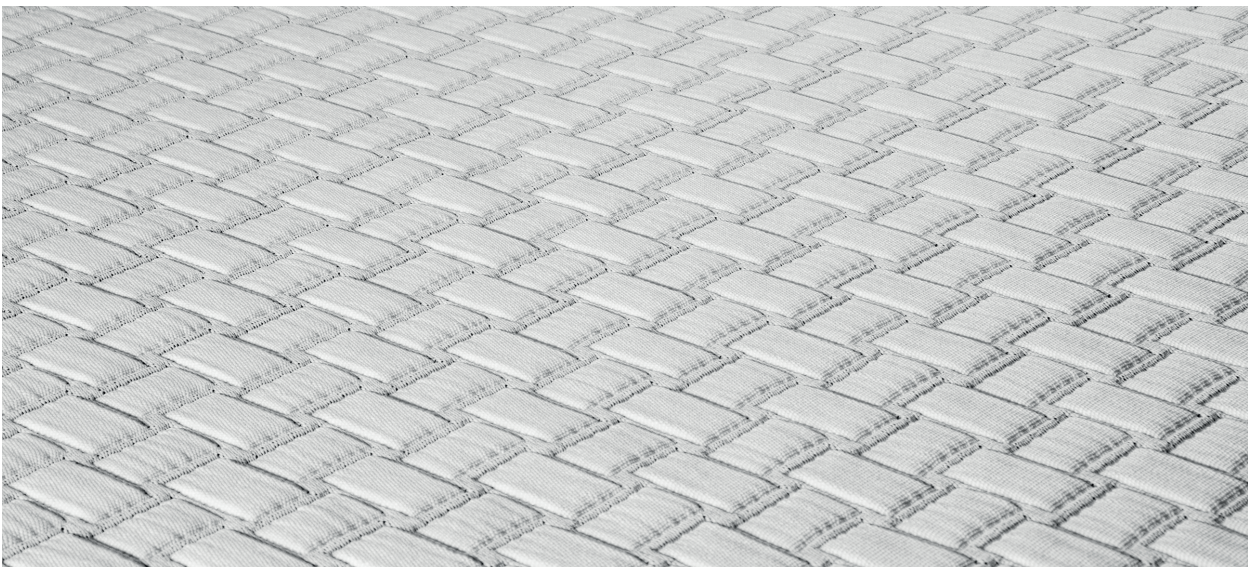
## 3D VOLUMIC weave

As at: 03/14/2024

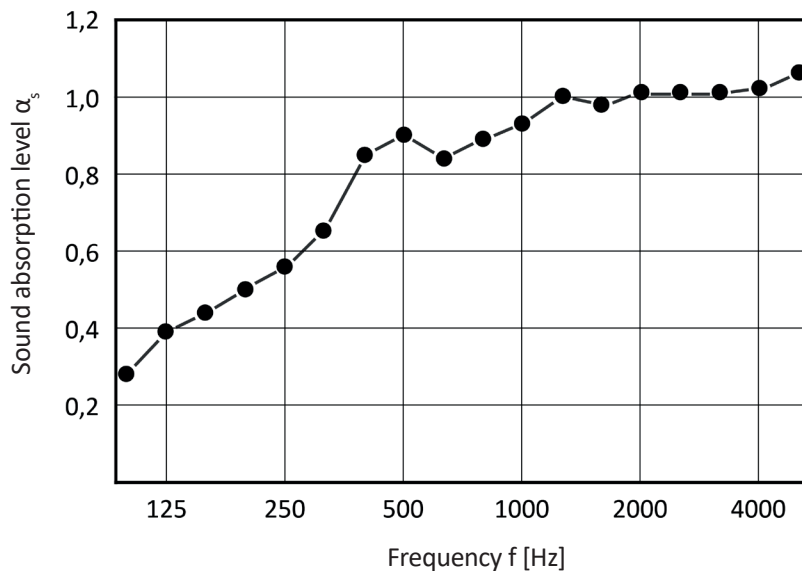
3D VOLUMIC weave is impressively voluminous and has a characteristic three-dimensional surface texture. The fabric's high absorption values make it suitable for a range of interior uses – such as wall or ceiling elements and curtains, for example.

<b>Use</b>	acoustics & soundproofing, wall & ceiling, curtains
<b>Colour</b>	white/grey, customised colours available on request
<b>Material</b>	100 % Polyester FR, Trevira CS
<b>Fabric weight</b>	634 g/m <sup>2</sup> +/- 5 %
<b>Fabric width</b>	standard: 170 cm +/- 5 %
<b>Fabric thickness</b> acc. to DIN EN ISO 5084	2,90 mm
<b>Fire resistance rating</b> acc. to DIN EN ISO 4102	flame retardant standard B1
<b>Air permeability</b> acc. to DIN EN ISO 9237	288 l/m <sup>2</sup> /s
<b>Light fastness</b> acc. to DIN 53952	> 6
<b>Abrasion rating</b> acc. to ISO 12947-1	36.000 Martindale
<b>Care</b>	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
<b>Specific flow resistance</b> acc. to DIN EN ISO 29053	R <sub>s</sub> = 670 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 a gathered curtain (100 % additional fabric) acc. to DIN EN ISO 354 Section 6.2.1 and Appendix B.5 (without sealed frame)

### Testing method: Type G-150:

- Median distance to wall: 150 mm

### General measurement information:

Specimen area	10,96 m <sup>2</sup>	Specimen area	10,96 m <sup>2</sup>
Reverb. room volume:	203,3 m <sup>3</sup>	Reverb. room volume:	203,3 m <sup>3</sup>
Reverb. room surfaces:	212,3 m <sup>2</sup>	Reverb. room surfaces:	212,3 m <sup>2</sup>

Frequency [Hz]	Sound absorption level acc. to ISO 354 $\alpha_s$	Practical sound absorption coefficient $\alpha_p$	Frequency [Hz]	Sound absorption level acc. to ISO 354 $\alpha_s$	Practical sound absorption coefficient $\alpha_p$
100	0,28		800	0,89	
125	0,39	0,35	1000	0,93	0,95
160	0,44		1250	1,00	
200	0,50		1600	0,98	
250	0,56	0,55	2000	1,01*	1,00
315	0,65		2500	1,01*	
400	0,85		3150	1,01*	
500	0,90	0,85	4000	1,02*	1,00
630	0,84		5000	1,06*	

\*) Absorption area > specimen area

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

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