

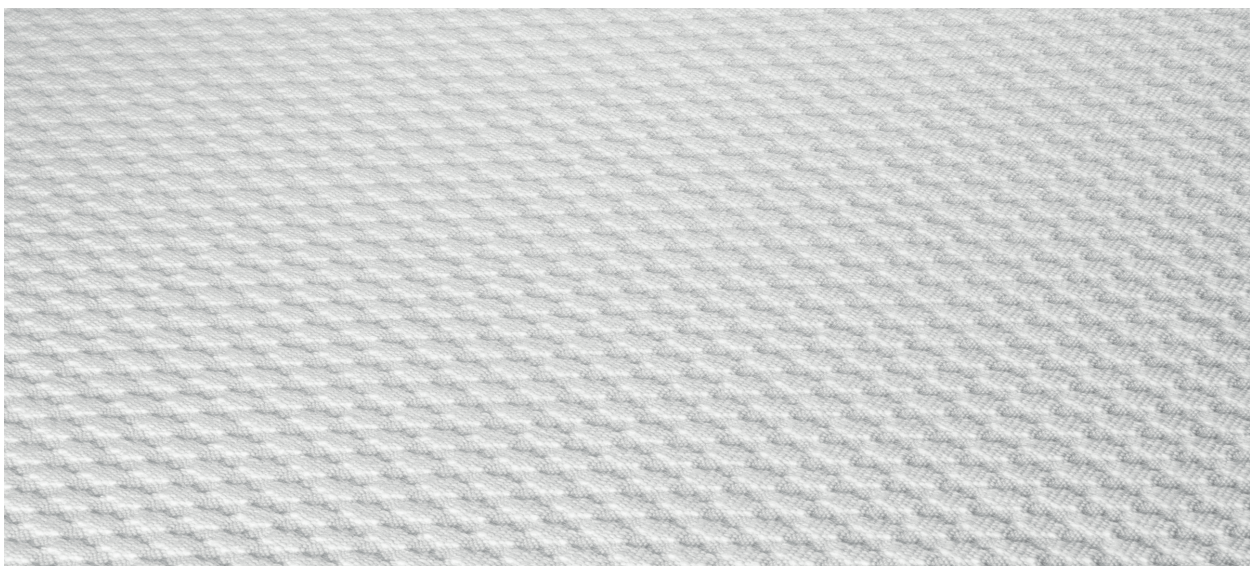
## OPTIC structure

As at: 03/14/2024

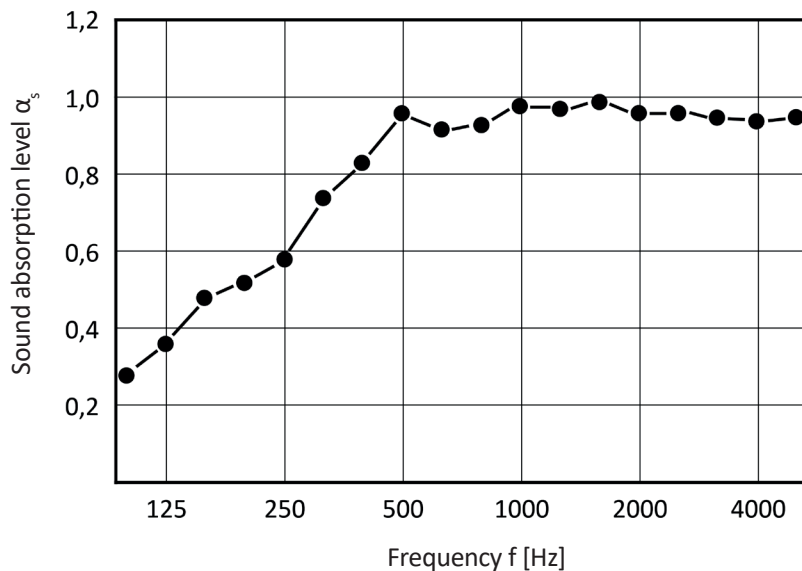
OPTIC structure has a characteristic three-dimensional surface texture. The fabric's high absorption values make it suitable for a range of interior uses – such as wall or ceiling elements and curtains, for example.

<b>Use</b>	acoustics & soundproofing, wall & ceiling, curtains
<b>Colour</b>	off-white, customised colours available on request
<b>Material</b>	100 % Polyester FR, Trevira CS
<b>Fabric weight</b>	702 g/m <sup>2</sup> +/- 5 %
<b>Fabric width</b>	standard: 142 cm +/- 5 %
<b>Fabric thickness</b> acc. to DIN EN ISO 5084	3,25 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	178 l/m <sup>2</sup> /s
<b>Light fastness</b> acc. to DIN 53952	> 6
<b>Abrasion rating</b> acc. to ISO 12947-1	65.000 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> = 1276 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	11,36 m <sup>2</sup>	Specimen area	11,36 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	0,93	
125	0,36	0,35	1000	0,98	0,95
160	0,48		1250	0,97	
200	0,52		1600	0,99	
250	0,58	0,60	2000	0,96	0,95
315	0,74		2500	0,96	
400	0,83		3150	0,95	
500	0,96	0,90	4000	0,94	0,95
630	0,92		5000	0,95	

Classification acc. to DIN EN ISO 11654: **classified sound absorption coefficient  $\alpha_w = 0,90$** ; sound absorption class: A

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