

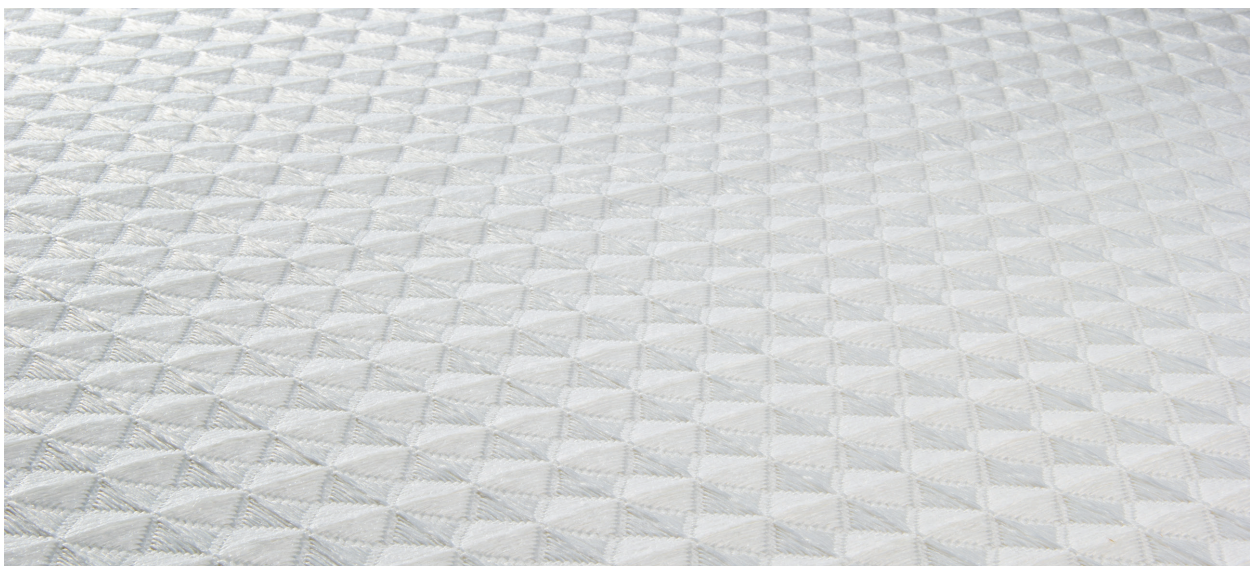
CUBIC mega

As at: 03/14/2024

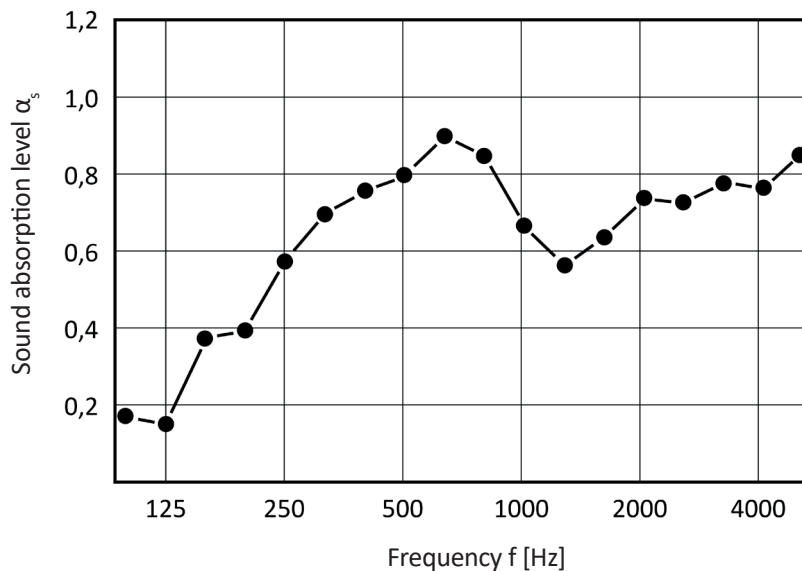
CUBIC mega keeps its shape extremely well. The sound absorption is optimised with the aid of the fabric's extravagant geometrical and three-dimensional structure, which makes it particularly suitable for wall, ceiling and room divider elements.

Use	acoustics & soundproofing, wall & ceiling, curtains
Colour	off-white, customised colours available on request
Material	100 % Polyester FR, Trevira CS
Fabric weight	680 g/m ² +/- 5 %
Fabric width	standard: 154 cm +/- 5 %
Fabric thickness acc. to DIN EN ISO 5084	4,50 mm
Fire resistance rating acc. to DIN EN ISO 4102	flame retardant standard B1
Air permeability acc. to DIN EN ISO 9237	360 l/m ² /s
Light fastness acc. to DIN 53952	> 6
Abrasion rating acc. to ISO 12947-1	90.000 Martindale
Care	non-washable; 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 acc. to DIN EN ISO 29053	R _s = 315 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 wooden 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	0,17		800	0,84	
125	0,15	0,25	1000	0,66	0,70
160	0,37		1250	0,56	
200	0,39		1600	0,63	
250	0,57	0,55	2000	0,73	0,70
315	0,69		2500	0,72	
400	0,75		3150	0,77	
500	0,79	0,80	4000	0,76	0,80
630	0,89		5000	0,84	

Classification acc. to DIN EN ISO 11654: **classified sound absorption coefficient $\alpha_w = 0,75$** ; sound absorption class: C

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