

ACOUSTIC PANEL

TECHNICAL DATA SHEET

March 2022

The Acoustic Panel ensures excellent sound performance and is the ideal choice for controlling the reverberation time in any space that requires better acoustics. Just pick the panel frame type, filling, fabric and size of your choice and have them fit right in. Great for schools, offices, congress halls, recording studios and so much more.

ACOUSTIC FILLING: RECYCLED COTTON 45 MM FR

Cotton fibres have been used for decades for their excellent acoustic properties. Depending on the chosen thickness, you can optimize medium to high frequencies. By setting up a recycling process, ShowTex was able to develop its very own fire-retardant and sound-absorbent material. Free from mineral fibres, recycled cotton can be installed without irritating the skin.

» ARTICLE CODE	» WIDTH	» LENGTH	» WEIGHT
8185 4107 0450	60 cm	120 cm	53 kg/m ³

» **COMPOSITION**
85% rCO + 15% PES

» **FLAME RESISTANCE**
EN 13501-1 / C-s3,d0

» **FUNGAL RESISTANCE**
EN ISO 846 / CLASS 0

» **AVAILABLE COLOURS**



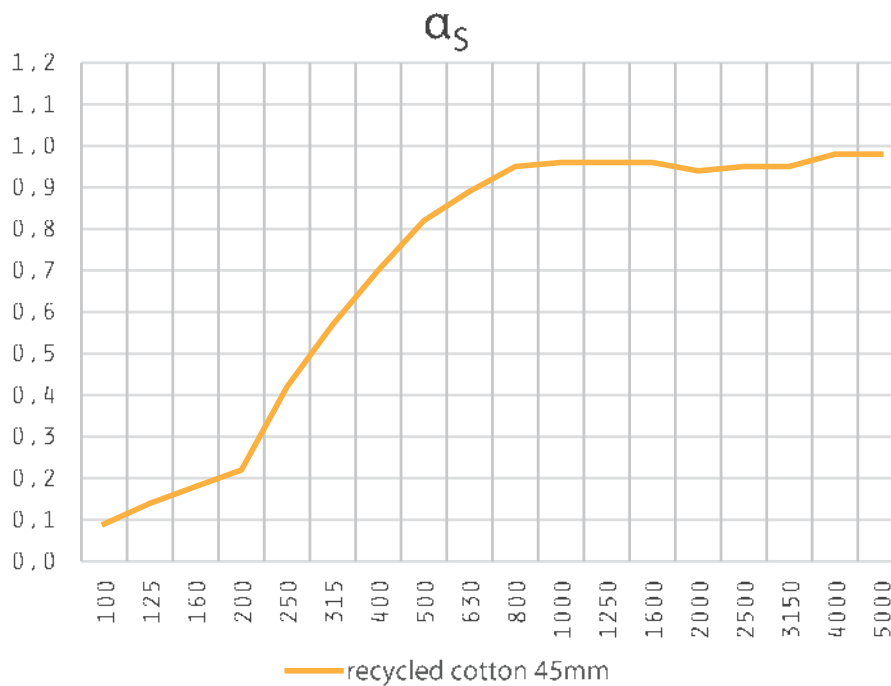
ACOUSTIC FILLING: RECYCLED COTTON 45 MM FR

TECHNICAL DATA SHEET

March 2022

» SOUND ABSORPTION ACCORDING TO EN ISO 354 & EN ISO 11654

Sample placed directly on the floor of the reverberation room.



f (Hz)	α_s
100	0,09
125	0,14
160	0,18
200	0,22
250	0,42
315	0,57
400	0,70
500	0,82
630	0,89
800	0,95
1000	0,96
1250	0,96
1600	0,96
2000	0,94
2500	0,95
3150	0,95
4000	0,98
5000	0,98
α_w	0.70 (M1)