Reference Project

FiberAcoustic[®] 75 & 450 in Aarhus School of Architecture

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Aarhus, Denmark

Denmark's first new-built school of architecture is constructed in the middle of Aarhus. Fibertex FiberAcoustic[®] 75 & 450, with excellent sound absorption properties, are used in carefully selected grey colours behind wooden panels and perforated metal plates.

Using FiberAcoustic[®] 75 & 450 offers the following benefits:

- Excellent acoustic properties
- High puncture and tear resistance
- Shock, moisture and fray resistance
- Fire resistance classified B-s1, d0

The products are extremely hard-wearing and shockresistant and will withstand most impacts without being damaged and losing performance.

FiberAcoustic[®] nonwovens are textile-like and produced using fibres that provide significant benefits compared to competing technologies.

Facts Builder: Bygningsstyrelsen Architects: ADEPT, Vargo Nielsen Palle







FiberAcoustic[®] 75 & 450

Product data	Standard	Unit	Value MD/CD	
			FA 75	FA 450
Max. weight	EN 29073-2	g/m²	75	450
Tensile strength	EN 29073-3	N	25/35	425/800
Elongation at break	EN 29073-3	%	15/30	80/55
Thickness	EN 29073-1	mm	0.3	2.5
Acoustic impedance		Ns/m ³	250	600

MD: Machine direction CD: Cr

CD: Cross direction



Product data	FA 75	FA 450	
Fibre blend	100% FR polyester	100% FR polyester	
Length	Standard 100 metres	Standard 40 metres	
Width	600 or 1200 mm	1150 mm	
Colour	White or black	White, black, coloured	
Flame retardancy	EN ISO 13501-1: B-s1, d0	EN ISO 13501-1: B-s1, d0	

