



Technical Data Sheet - FELTFON

TYPE / SOLUTION: Gustafs Feltfon Linear

REV: 2023-12

CORE: PET felt

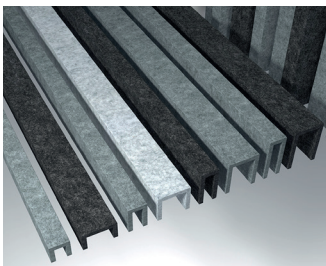
DOC: TDS-FELTFON

SURFACE: Acoustex felt

PAGE: 1/2

DESIGN	THICKNESS	LENGTH	WIDTH
Multiple - Linear, Barcode, 3D etc	3 - 9 mm	40 - 3000 mm	40 - 600 mm

ESTETICS & MAINTENANCE



COLOUR, PATTERN & FINISH

Small variations in colour and surface structur can occur and are considered as normal and a part of the décor.

MAINTENANCE

Use a dry mop or vacuum to remove dust. Feltfon is approved for 70% alcohol products. For greasy stains, fruit, wine and coffee, use synthetic cleaning fluid without ammoniac.

TOLERANCES	PERFORMANCE	COMMENTS	STANDARD
Thickness	± 0,5 mm	/ panel	
Length & Width	± 1,0 mm	/ panel	
Diagonal size	± 1,0 mm	/ panel	
Flatness	± 2,0 mm	/ meter	

PHYSICALS	PERFORMANCE	COMMENTS	STANDARD
DoP	Approved	Available on request	Validation system 3
Weight	2 kg/m ²	For 9 mm thickness	
Flexural tensile strenght	Class 1 / A / no load		
Service load bearing	450 N	For ceiling use	
Failing load bearing	3520 N	For ceiling use	
Thermal conductivity	NPD		

ENVIRONMENT	PERFORMANCE	COMMENTS	STANDARD
Release of asbestos	NPD		
TVOC	Emissions - TVOC and Formaldehyde approved for:	BVB, BREEAM, AgBB, M1, E1, SundaHus, Svanen, BlueAngel, Belgian VOC, French VOC	ISO 16000-9
Recycled content, pre-cons.	60%	PET	
Recycled content, post-cons.	> 50%	Recycled PET bottles	
FSC® Wood	Yes, available FSC, certification code: SAI-COC-010919	When used in combination with Feltfon, available on request	FSC®
Durability	> 50 years	Expected life time	
Energy for production	100% Hydropower	Certified 100% renewable energy	
Possible LEED points	EA C1, MR C1.2, MR C2, MR C3, MR C4, MR C5, MR C6, MR C7, IEQ C3.1, IEQ C3.2, IEQ C4.1, IEQ C4.4. Schools: EQ C4, option 6, EQ C9	Sustainable buildings	LEED for New Construction and Major Renovations. LEED for Schools
Possible BREEAM points	Approved in applicable categories	Sustainable buildings	BREEAM



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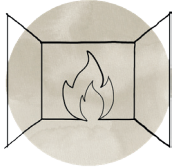
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FIRE SAFETY

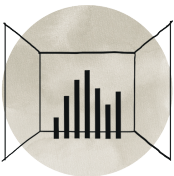


GUSTAFS FELTFON LINEAR - FIRE

Rest easy knowing that Feltfon is fire-safe without the need for impregnations, prioritizing safety without compromising style.

FIRE	PERFORMANCE	COMMENTS	STANDARD
Reaction to fire	B-s1,d0	For 3 - 9 mm	EN 13501-1

ACOUSTICS



GUSTAFS FELTFON LINEAR - ACOUSTICS

Design something new with acoustic absorption coefficients up to the highest possible class A. A sound investment for the right kind of echo.

Porous absorbers are good in reducing high frequencies. Sound energy is transformed into heat energy while penetrating the wool twice, in and out. The sound absorption increases if the distance to the wall, and by that the total void is enlarged.

Wall installation | Acoustic absorption Feltfon Ribs, 40 x 40 mm

WALL | 9 mm ACOUSTEX INSULATION + 1 mm AIR VOID (Hz/ α_p) | TOTAL DEPTH 50 mm

Widht	Spacing	Slot	c/c	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
40mm	22 mm	∞	62 mm	100%	0,55-D	0,70	0,05	0,25	0,65	0,90	0,95	1,00

WALL | 9 mm ACOUSTEX INSULATION + 45 mm MINERAL WOOL

Widht	Spacing	Slot	c/c	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
40mm	22 mm	∞	62 mm	100%	0,95-A	0,95	-	-	-	-	-	-

Ceiling installation | Acoustic absorption Feltfon Ribs 40 x 40 mm

CEILING | 211 mm AIR VOID (Hz/ α_p)

Widht	Spacing	Slot	c/c	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
40mm	22 mm	∞	62 mm	100%	0,60-C	0,65	0,15	0,40	0,55	0,70	0,90	1,00

CEILING | 9 mm ACOUSTEX INSULATION + 201 mm AIR VOID (Hz/ α_p) | TOTAL DEPTH 250 mm

Widht	Spacing	Slot	c/c	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
40mm	22 mm	∞	62 mm	100%	1,00-A	0,95	0,40	0,85	1,00	1,00	1,00	1,00