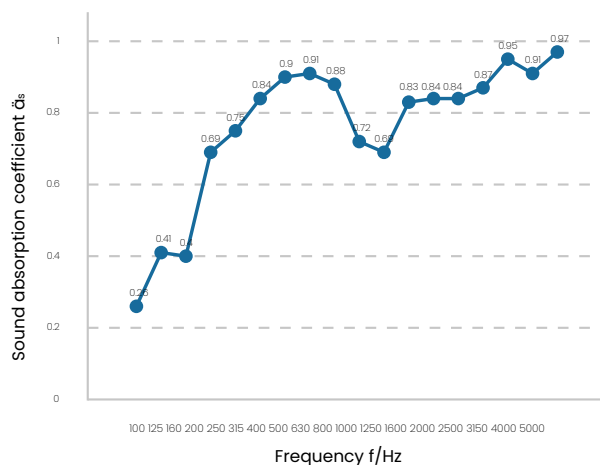


TECHNICAL DATA SHEET

PET FELT

Blauwschild FELT 2970 x 1220 mm	Unit	Panel thickness 9 mm	Standard
GENERAL PROPERTIES			
Density	Kg/m ²	1900	
Material composition		At least 50% recycled PET	
Fire behaviour		B-s1, d0	EN 13501-1:2018
ACOUSTIC PROPERTIES			
Sound Absorption Coefficient (SAC)	$\bar{\alpha}_s$	(100Hz~5000Hz): 0.76	ISO 354:2003
Noise Reduction Coefficient (NRC)		0.80	ISO 354:2003
VOCs and CARBONYL COMPOUNDS			
Formaldehyde	$\mu\text{g}/\text{m}^3$	Not Detected	ISO16000-9:2024 & ISO16000-6:2021 & ISO16000-3:2022
Acetaldehyde	$\mu\text{g}/\text{m}^3$	Not Detected	
Toluene	$\mu\text{g}/\text{m}^3$	Not Detected	
Tetrachloroethene	$\mu\text{g}/\text{m}^3$	Not Detected	
Xylene	$\mu\text{g}/\text{m}^3$	Not Detected	
1, 2, 4-Trimethylbenzene	$\mu\text{g}/\text{m}^3$	Not Detected	
1, 4-Dichlorobenzene	$\mu\text{g}/\text{m}^3$	Not Detected	
Ethylbenzene	$\mu\text{g}/\text{m}^3$	Not Detected	
Ethylene Glycol Monobutylether	$\mu\text{g}/\text{m}^3$	Not Detected	
Styrene	$\mu\text{g}/\text{m}^3$	Not Detected	
Total Volatile Organic Compounds (TVOC)	$\mu\text{g}/\text{m}^3$	10.6	

ACOUSTIC SOUND ABSORPTION



Our felt panels have an absorption coefficient of 0.76, which means that they effectively absorb 76% of sound between 100 and 5000 Hz.

NRC=0.80

Noise Reduction Coefficient is the arithmetic average of absorption coefficient contained four octave frequency bands (250, 500, 1000, 2000 Hz).