

The logo for EN VIONEER, featuring the word 'EN' in white on a teal triangle and 'VIONEER' in white on a dark blue circle. The background of the top half of the page is a photograph of a modern, curved architectural interior with a large, arched glass and metal structure and several white columns.

# EN VIONEER

# SOUND ABSORPTION NONWOVENS



Sound absorption nonwovens improve the working environment significantly by unique sound absorption properties.

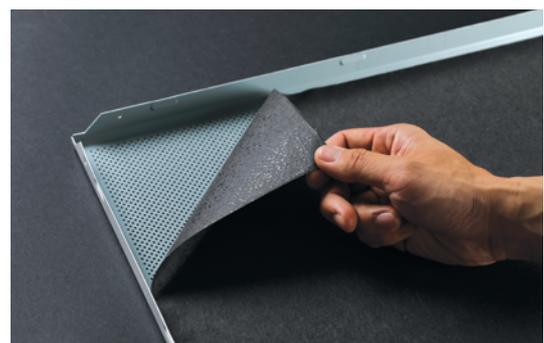
Sound absorption nonwovens are effective in reducing noises which can be applied in a wide range of applications such as wall panels, suspended ceilings and hard floor underlay. Our sound absorption nonwovens are coated with adhesive in order to attached easily on the various surfaces.

## Features & Benefits

- Non-woven fabric with thin thickness and light weight
- Achieved high sound absorption rate of NRC standard, 0.72 (ASTM C423-17 )
- Ability to attach easily on various products by applying adhesive (ceiling, steel, wood, panel and walls)
- Suitable for use in wet conditions by preventing intense colour loss
- Achieved all satisfactory results by Korea flame retardancy, smoke density and the semi-fireproof (grade 2 of flame retardant) tests

## Applications

- Subway & Airport
- Sound box & Karaoke
- Building materials
  - Ceilings/Walls/Partitions
- Steel & Wood panel



[Sound absorption nonwovens with ceiling board]



# SOUND ABSORPTION NONWOVENS

Classification		ENV-Sound Free	Method
Main Materials		Cellulose + Glass Fiber	
Basis Weight	gsm	65	KS K ISO 9864
Thickness	mm	0.23	KS K ISO 9863-1
Tensile Strength	N/25mm	35	KS K 0743
Air Permeability	CFM	80	ASTM D 737
NRC (attached with panel)		0.72	ASTM C423-17
Flame Retardant	Performance	PASS	National Fire Agency Notification No. 2017-1
	Smoke Density	PASS	ASTME662-17
	Semi-non-combustible	PASS	KS F ISO 5660-1 KS F 2271
Surface	Adhesive	0	
	Colour	Black	
Colour fall out (in wet conditions)		X	

All test methods are performed with reference to the KS standards.  
Their detailed procedure are regulated with internal inspection instructions.

## Properties

### Thin & light nonwoven

Thin thickness and light weight nonwoven

### Easy-to-attach anywhere

Ability to attach easily on various products

### High sound absorption

Noise reduction effect by sound absorption

### Colour fall out

Suitable for use in wet conditions by preventing intense colour loss

### Strong stability against heat and fire

Specialized at limiting the spread or even extinguishing the fire

## Sound Free (NRC)

