

RE:FELT

PET FELT PANELS PRODUCT SHEET



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ReFelt provides acoustic PET Felt panels that are made from recycled plastic bottles. It is a soft yet strong and durable material. Offering incredible sound-dampening qualities and aesthetically many possibilities.

SPECIFICATIONS

Material

PET Felt

Flammability class

B1

Acoustic properties

NRC : 0.80 with 100 mm cavity

NRC : 0.75 with 50 mm cavity

ISO Certificate

345-2003

Density

2,4 kg/m²

MEASUREMENTS

The PET Felt panels are 2800 mm x 1200 mm x 12 mm gross size. One panels weighs approximately 8 kg.

PET FELT

PET Felt is made from recycled plastic bottles turned into a soft yet sturdy felt material. It is long lasting, UV stabilized and sound-dampening. PET Felt is both recycled and recyclable.

COLOURS

Slight colour deviations can occur since the PET Felt panels are made from recycled fibers. The panels have a frontside and a backside because the fibers are differently orientated on both sides, the nap direction. Keep in mind to apply the panels in the same direction and use the same side during the installation to avoid alterations in appearance.



DOWNLOADS

Care and maintenance instructions, 3D files and test certificates are available at refelt.nl.

AVAILABLE IN 18 COLOUR BLENDS



Amber



Anthracite



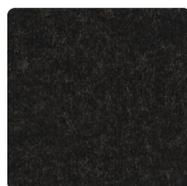
Azure



Carmine



Cayenne



Charcoal



Citrus



Clay



Cloud



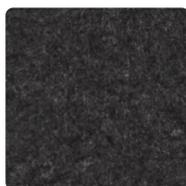
Concrete



Emerald



Ice



Iron



Mist



Oat



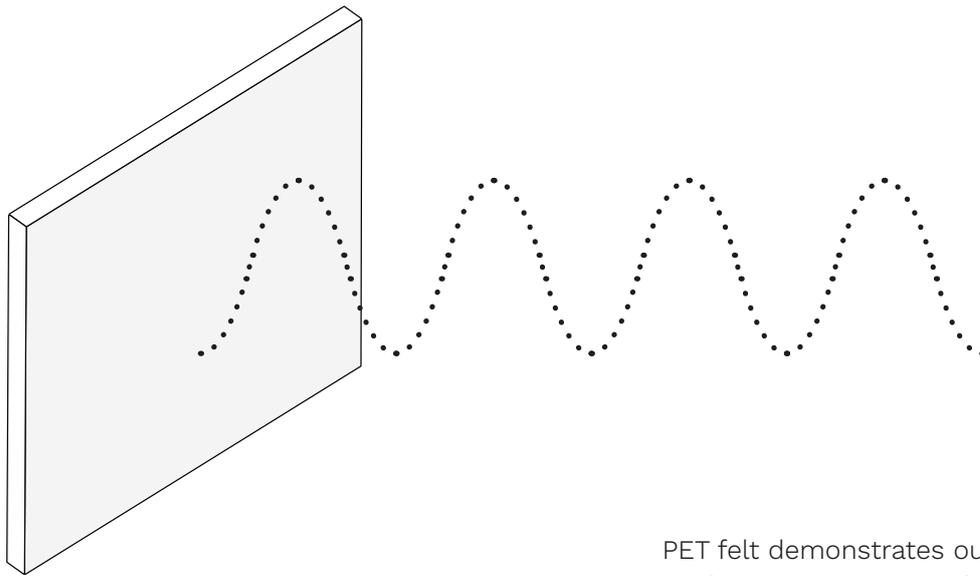
Ocean



Pistachio

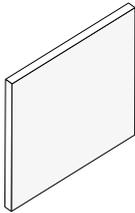
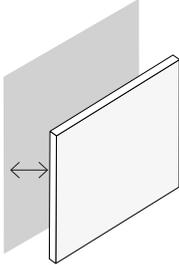
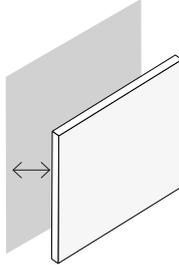
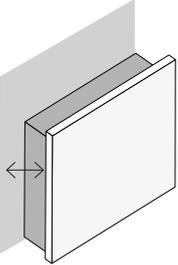


Sapphire



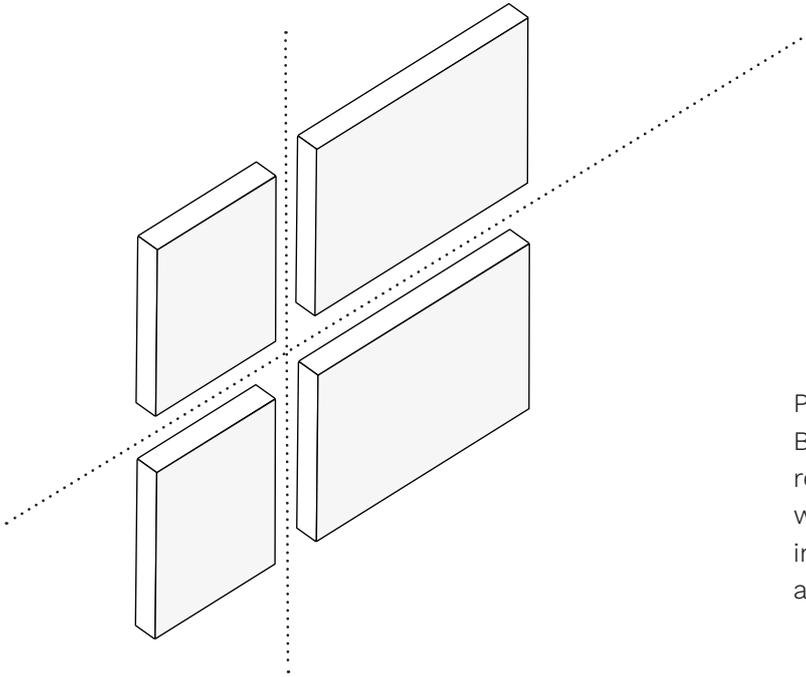
PET felt demonstrates outstanding acoustic performance. It is a perfect material to apply on walls or ceilings in order to decrease sound reverberating. Using the panels for acoustic purposes, please, keep the test results in mind to achieve a desirable result.

⚠ For detailed technical information about the acoustic properties of the ReFelt PET Felt panels, please have a look at the Peutz Certificate available at refelt.nl.

				
	1 Layer	Cavity 50 mm	Cavity 100 mm	Cavity 50 mm stone wool 50 mm
NRC (100-5000 Hz)	0.40	0.75	0.80	0.95
aw (100-5000 Hz)	0.25	0.60	0.80	1.00

NRC = Noise reduction coefficient
aw = Sound absorption coefficient

3. PROCESSING



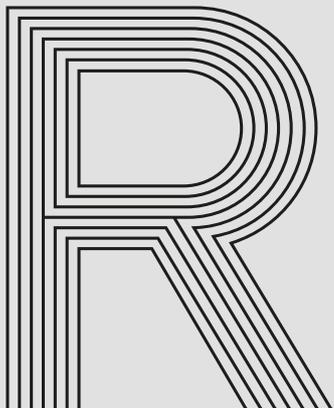
Panels can be processed in multiple ways. Before designing, it is recommended to review the different methods for production with their pro's and con's. For more detailed information a processing manual is available at refelt.nl.

PROS & CONS

Method	Pro's	Con's
Digital Cutting	Precise	Expensive for large volumes
Waterjet Cutting	Precise	Programming costs, dry time after processing
Laser Cutting	Precise	Heat can melt and discolor the edges
Die Cutting	Suitable for large-volume productions	Expensive for small volumes (requires a die)
Manual Cutting	Suitable for on-site adjustments	Not precise enough for complex shapes
Circular saw	Suitable for simple and straight shapes	Not precise enough for complex shapes
Jigsaw	Suitable for freeform shapes or cut-outs	Depends on experience working with the tool



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