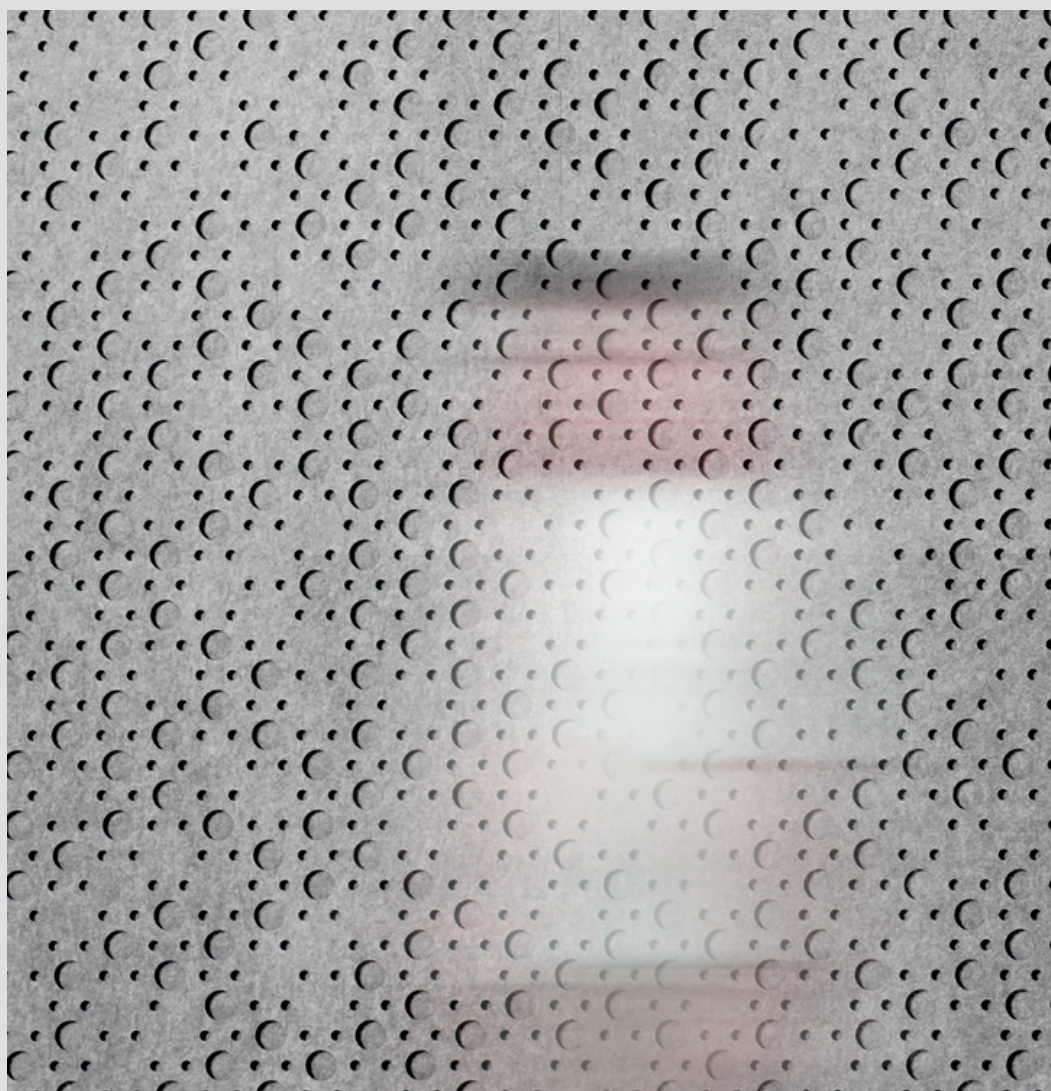


REFELT

PET FELT PANELS



T +31 (0) 262 062 102
E info@refelt.nl
W refelt.nl

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

SPECIFICATIONS

Material

PET Felt

Flammability class

B1

NRC

0.75 with 100 mm cavity

0.65 with 50 mm cavity

ISO Certificate

345-2003

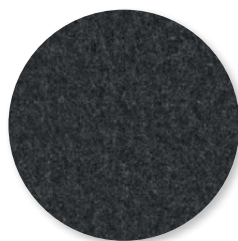
PET FELT

PET Felt is made of recycled PET bottles which are tuned into a soft yet sturdy felt material, which is long lasting, UV stabilized and has great acoustic performance. PET Felt is both recycled and recyclable.

DOWNLOADS

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

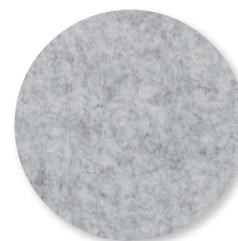
AVAILABLE IN 9 COLOURS



Dark Grey



Light Grey



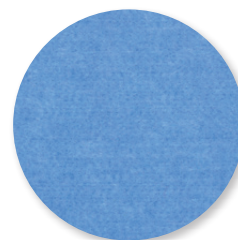
Marble



White



Denim



Blue



Dark Green

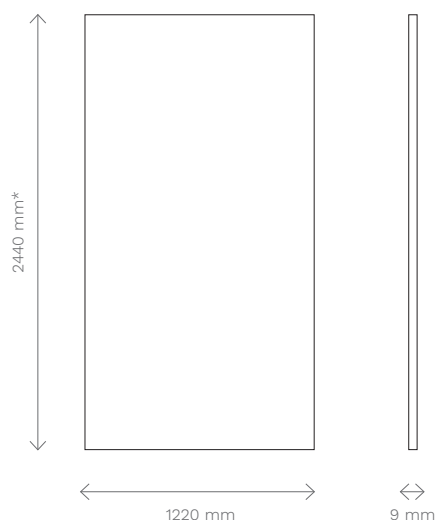


Green



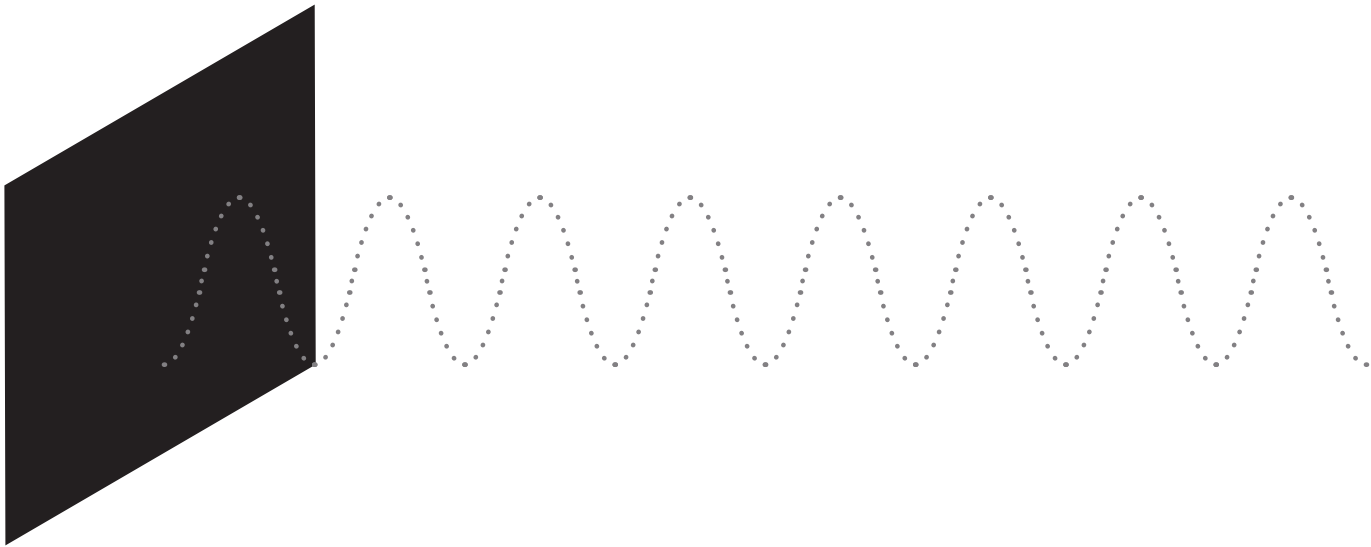
Beige

MEASUREMENTS



Weight – 5,7 kg



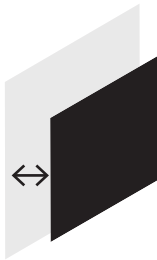
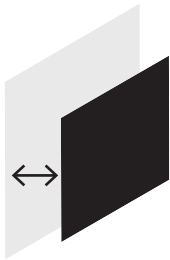
*Gross size



PET felt has great acoustic performance. A perfect material to apply on walls or ceilings to decrease sound reverberating. To use the panels for acoustic purposes please keep the test results in mind for a satisfying result.

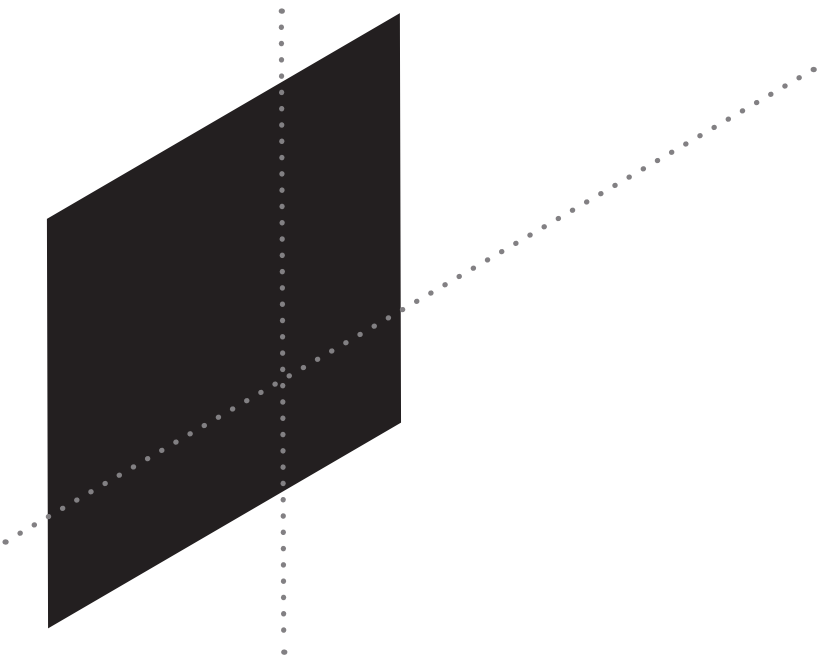
The best sound absorption can be reached in two ways:

- 1. Use multiple layers of PET Felt panels
- 2. Increase the distance between the PET Felt panels and the wall (cavity).

	 1 Layer	 2 Layers	 Cavity 50 mm	 Cavity 100 mm
NRC (250-1000 Hz)	0.30	0.55	0.65	0.75
$\bar{\alpha}$ (100-4000 Hz)	0.35	0.35	0.61	0.66

$\bar{\alpha}$ = Coefficient

3. PROCESSING



There are multiple ways to process the panels, before designing, it is recommended to review the different methods for production and learn about the pro's and con's. All panels are delivered in the uncut gross size of 2440mm x 1220mm.

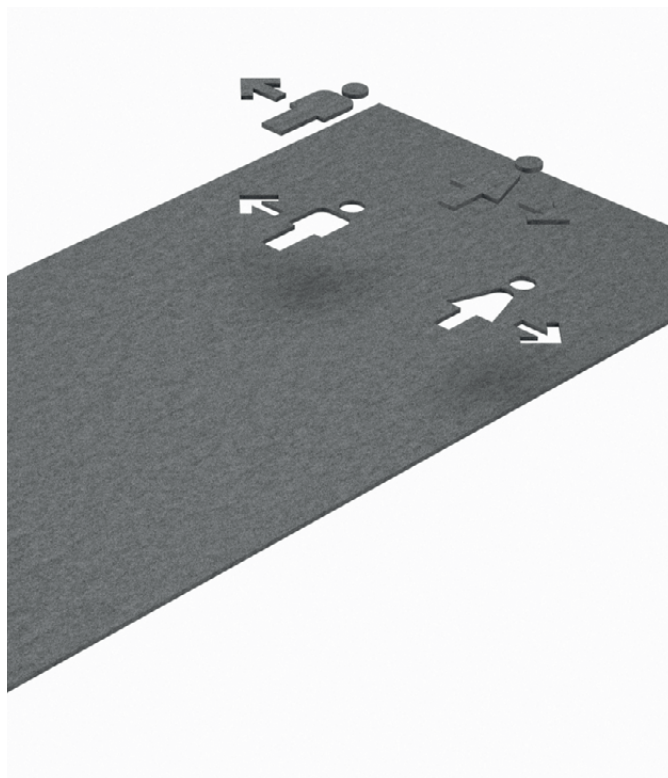
PROS & CONS

Method	Pro's	Con's
Digital Cutting	Precise	Expensive for large volumes
Die Cutting	Accurate, Fast	Expensive for small volumes (need of mould)
Water Jetting	Precise	Programming costs, Dry time
Laser Cutting	Precise	Heat could melt the edges
Knife	For simple and straight shapes	Not precise enough for complex shapes
Circular saw	For simple and straight shapes	Not precise enough for complex shapes

3. PROCESSING INSPIRATION



Wall Covering
Panels on Wall
Method Die Cut



Signing
Cutted Panels
Method Laser Cutting



Wall Covering
Cutted Panels on Wall
Method Circular saw

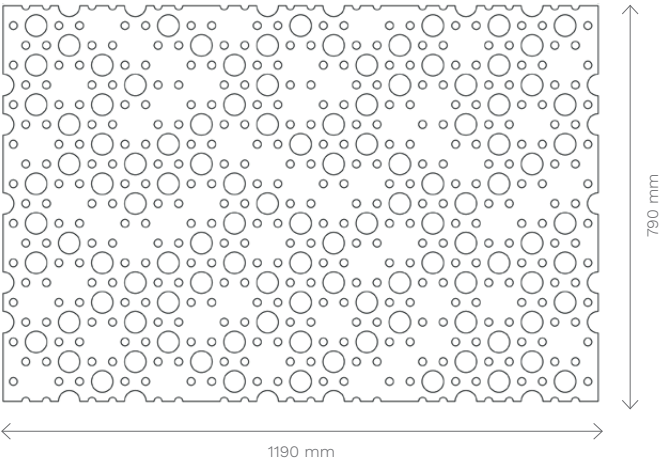


Installation
PET Animals - designed by Lorenzo Palmeri for De Vorm
Method Watercut

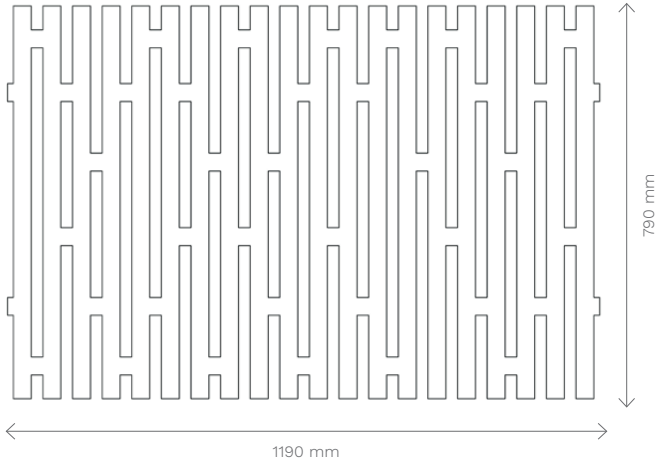
3. READY-TO-USE SOLUTIONS DOTS & STRIPES

A simple and efficient method to create a patterned wall design. Our pre shaped patterns are tileable and installation ready.

TEMPLATE 1
DOTS

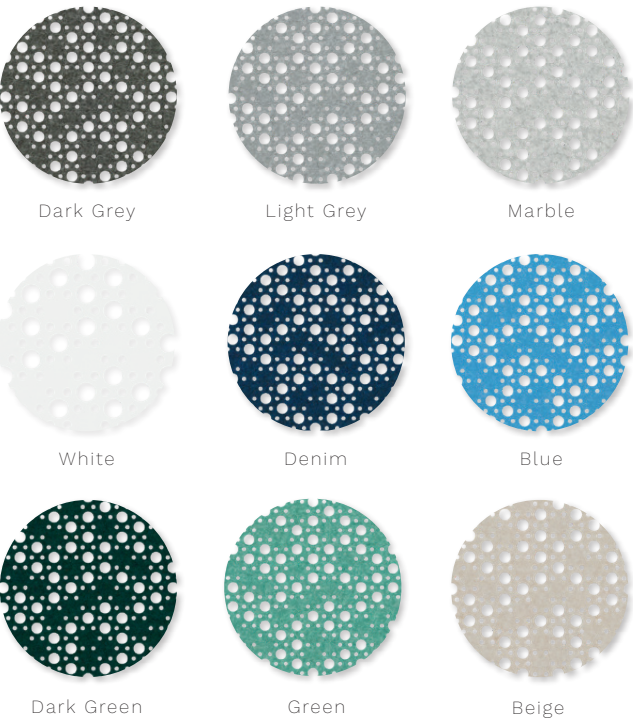


TEMPLATE 2
STRIPES



AVAILABLE IN 9 COLOURS

DOTS

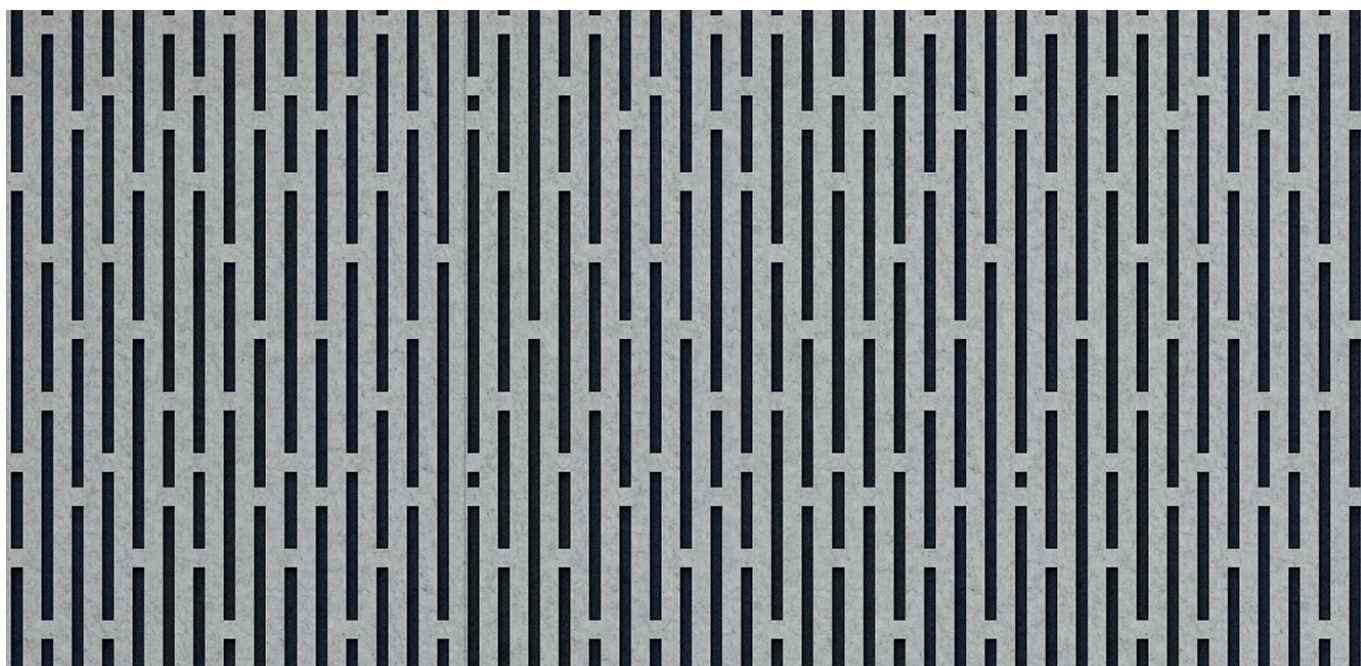
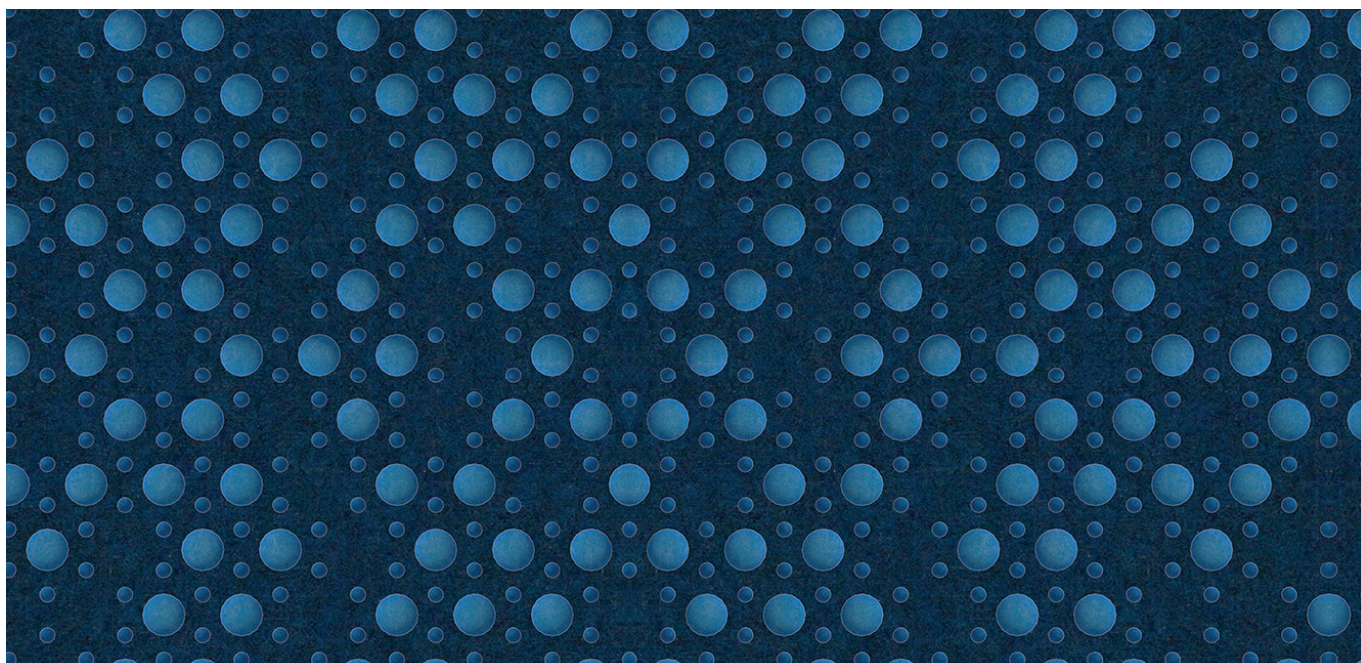


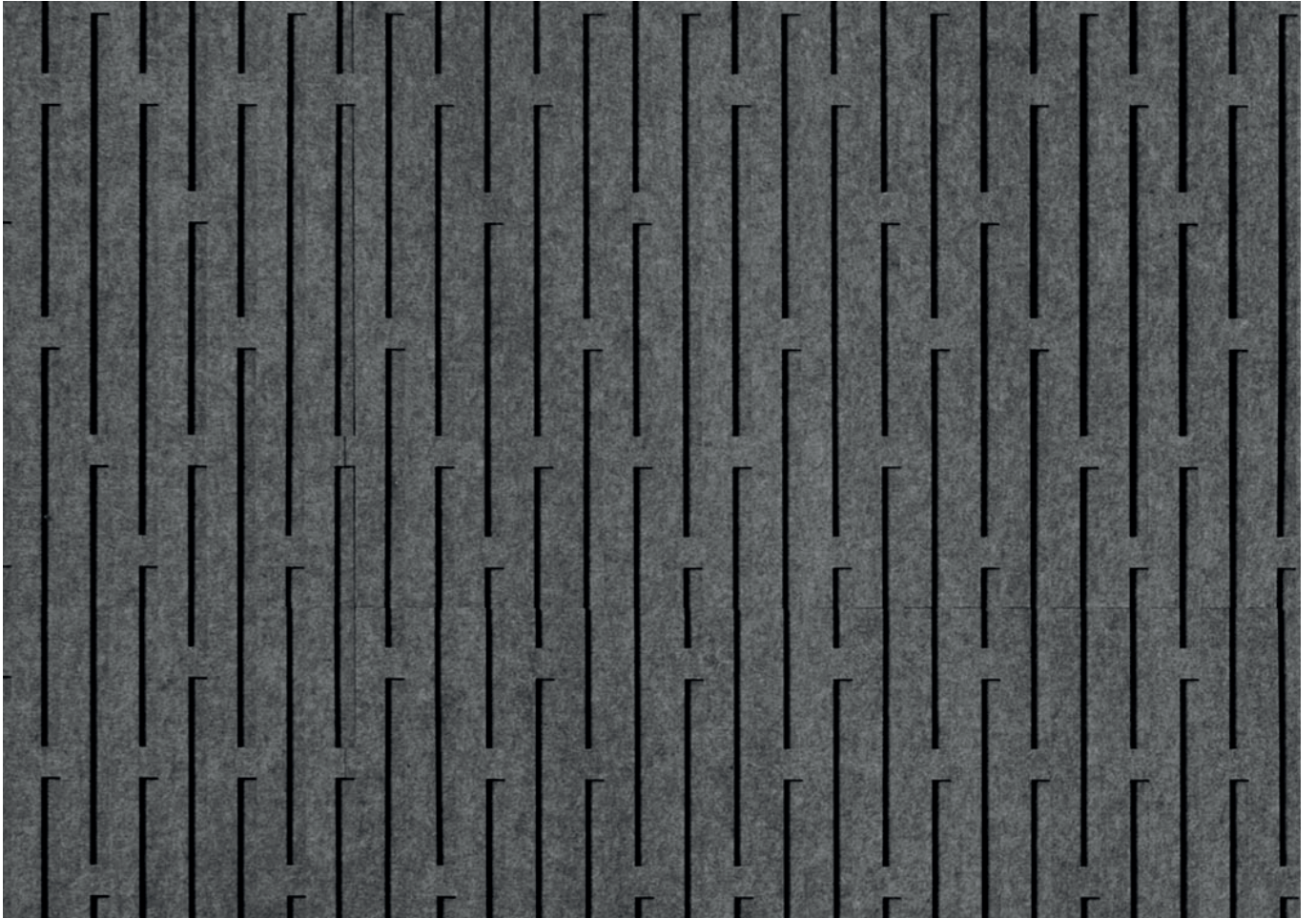
STRIPES



3. READY-TO-USE SOLUTIONS DOTS & STRIPES

By adding an extra layer of PET Panels under the Patterned Panels you not only increase the sound dampening properties, but also add a unique touch to your design.





RE:FELT



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