

# Chameleon 25 mm Optimal

## Specifications

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# 25 mm PET-felt

## Applications

Chameleon Acoustics' 25 mm acoustic PET felt is used for Optimal.

## Ecological footprint

Chameleon Acoustics Optimal consists of 100% recyclable PET felt, some of which is recycled material. The material has a sustainable footprint at all because it is produced locally.

- 100% recyclable PET (some of which is recycled).
- Free of formaldehyde.
- ÖKO-TEX® standard 100 product class 1 certified (no harmful substances).
- European production with European-made fibres.
- Volatile substances DIN EN 16516: German AgBB (2021), French VOC class A+

## Size and weight

- Material thickness 25 mm.
- Maximum panel size 1500 x 3000 mm.
- Weight 4 kg/m<sup>2</sup>.

## Fire resistance

Tested according to DIN EN 13501-01.

B-s1-d0.

## Acoustic

From 1000 hertz, an absorption value of  $\alpha_w$  0.85 is achieved (when mounted directly against the wall).

## Maintenance

Brush off with a soft brush or duster. Wet cleaning is not recommended.

## Mounting

With kit: favourite for full wall covering. The initial adhesion is flexible enough to move the panels slightly due to the final positioning of the panels.

# Colours

Chameleon can apply virtually any PMS, RAL or other colour system to the felt surface. With lighter colours, the felt structure remains visible in the surface, while it is less visible with darker colours. This makes it possible to choose the most suitable colour shade for any interior. To choose the right colour shade and experience the effect on the felt surface, we would like to invite you to the Chameleon Showroom in Geldrop or Roermond. A sample of each chosen colour will be sent to you on the basis of which the final choice can be made. (Chameleon Acoustics Optimal is partly made from recycled materials. Small colour differences may occur between different batches).

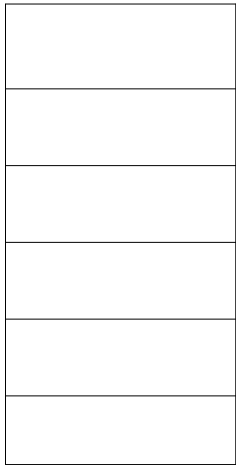
## Full-colour printing

An acoustic panel with full-colour (photo) print. Images are printed on Chameleon Acoustics Optimal using sublimation technology. The colour white is shown as transparent. This means that the basic colour of the felt, including the felt structure, is maximally visible.

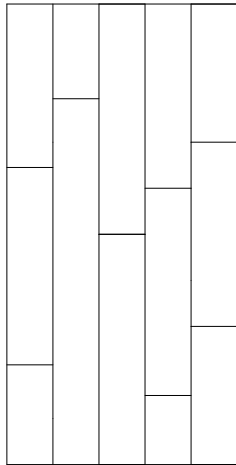


# Patterns

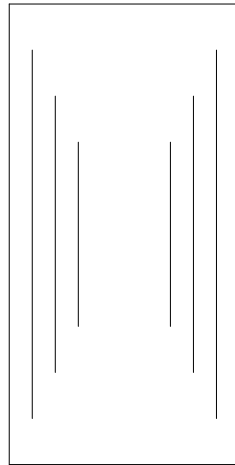
The wall is filled with several panels of up to 150 x 300 cm. The required height is delivered cut to size, with the pattern scaled along. The width of the panels is 150 cm. Fitting pieces are made to fill out the wall.



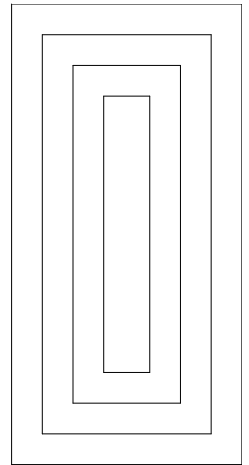
OPT109



OPT110



OPT111



OPT112

## Technical

<b>Characteristics:</b>	Acoustic
<b>Thickness:</b>	25 MM
<b>Acoustic value:</b>	$\alpha_w$ : 0,65
<b>Fire resistance:</b>	EN13501: B-s1, d0
<b>Mounting:</b>	Kit. For walls with a smooth texture: 51505.014. For coarse-textured walls: 51505.007.
<b>Warranty:</b>	2 years
<b>V-cut pattern:</b>	4.5 mm deep, $\pm$ 8.5 mm wide
<b>Edge finishing:</b>	Bevel-cut edge, 4,5 mm

## Packaging

<b>Type:</b>	Shrink wrap
<b>Content:</b>	Chameleon 25 mm Optimal PET-felt panel, mounting guide
<b>Packaging unit:</b>	1 unit
<b>Materials:</b>	Wood, cardboard, polyethylene protective film
<b>Size:</b>	Sign size + 3 cm width, 3 cm depth, 4 cm height