

acoufelt  
making quiet

# Castillo Ceiling Tiles



# Specifications

<b>Application</b>	Ceiling
<b>Composition</b>	100% polyester
<b>Material</b>	FilaSorb™
<b>Recycled content</b>	60% min. rPET
<b>Thickness</b>	12mm +/- 10%
<b>Weight</b>	2400gsm
<b>Length</b>	603 x 630mm Custom size available upon request
<b>Height</b>	289mm

# Sustainability



Made from 60% min. recycled content



Total VOC's less than 0.5 mg/m<sup>3</sup> (3<sup>rd</sup> Party Verified)



Generated using 40% solar energy



Recyclable at end-of-life



Indoor Advantage Gold Certified.



# Technical Data

<b>Fire test method</b>	EN 13501-1: 2019
<b>Classification</b>	B-s1, d0
<b>Water vapour sorption method</b>	ASTM C1104-2019 (Procedure A Modified)
<b>Water sorbed by weight</b>	0.20% (results based on a 12mm thick panel)
<b>Total VOC test method</b>	SCS-EC10.3-2014 v4.0 meeting standard CDPH/EHLB Standard Method v.1.2-2017
<b>Total VOC result</b>	≤ 0.5mg/m <sup>3</sup>
<b>Colorfastness test method</b>	ISO 105-B02
<b>Rating</b>	6-7

# Guarantees

<b>Lead Time</b>	6-8 weeks
<b>Origin</b>	United Kingdom
<b>Warranty against defects</b>	20 years*
<b>Colorfastness warranty</b>	20 years*

\*conditions apply

# Acoustic Performance

## Test method

AS ISO 354-2006: Acoustic - Measurement of sound absorption in a reverberation room

## Installation method

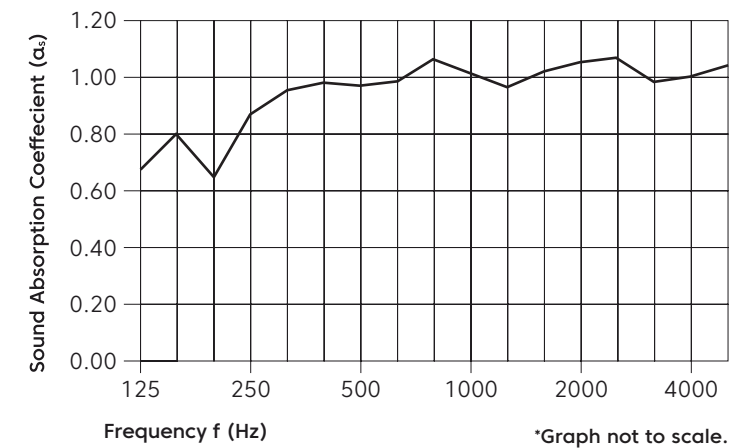
Type "E-400" Mounting, tested with 400mm air gap

## Rating method

ISO 11654-1997: Acoustic – sound absorbers for use in buildings – rating of sound absorption

## Test results

NRC 0.95 400mm air gap | aw 0.96, Class A



Frequency (Hz)	125	250	500	1000	2000	4000	NRC
12mm α <sub>s</sub>	0.67	0.86	0.96	1.02	1.04	1.00	0.95

Performance Indices: **Noise Reduction Coefficient (NRC)** results represent the absorption coefficients measured at the one third octaves bands at 125, 250, 500, 1000, 2000 and 4000 Hz rounded to the nearest 0.05. Acoustic testing has been performed according to the methods mentioned above. Customisation of installation of the product could alter the results. **Sound Absorption Average (SAA)** indicates the absorption coefficient average for the twelve one-third octave bands ranging between 200 and 2500 Hz

# Castillo Design

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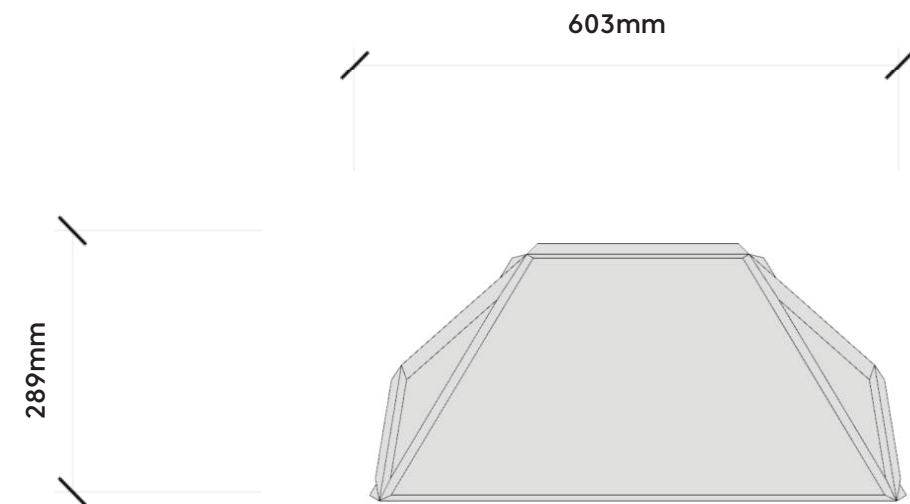
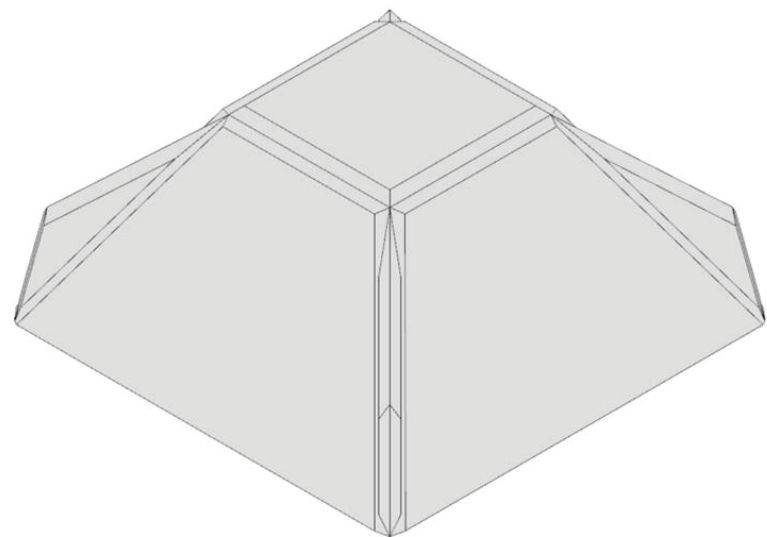
## Sizes

Length	603 x 603mm Custom size available upon request
Height	289mm

Thickness 12mm

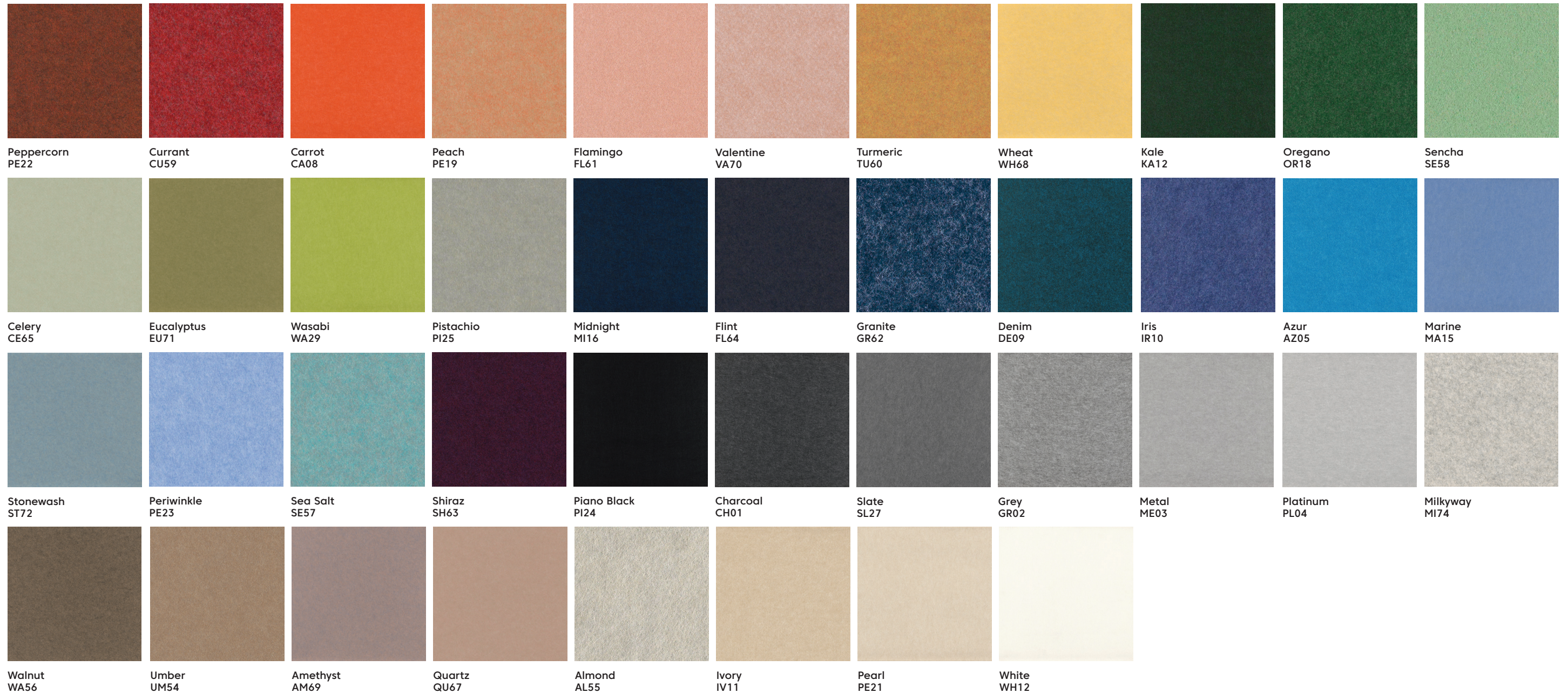


## Perspective





# FilaSorb™ Colourways



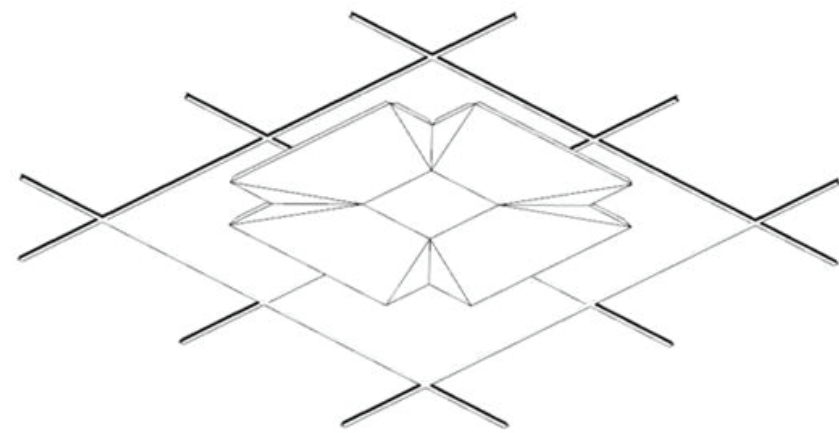
## Can't find a colour?

We are constantly updating our palette, which includes adding and discontinuing certain color lines. If you can't find the color you are looking for, please contact us with your color request, as we may still have stock available.

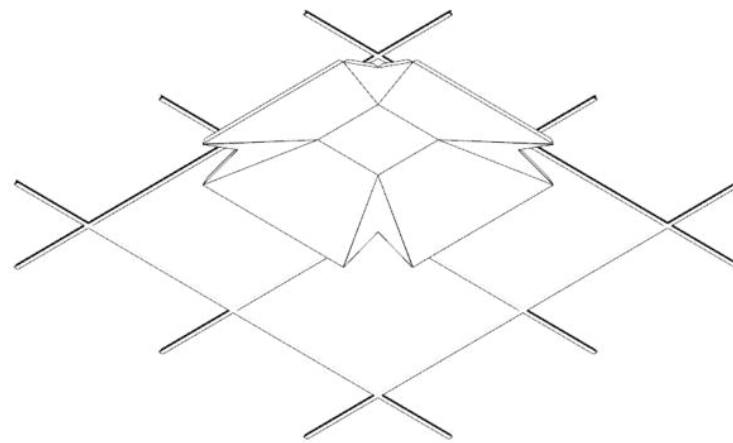


# Installation Method

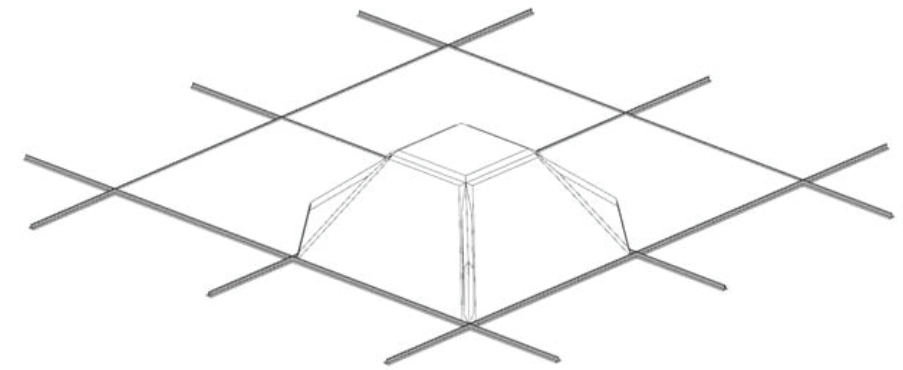
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**A).** Maneuver Castillo up and in to the void space between the soffit and T-Grid, making sure that the beveled edges are facing the soffit.



**B).** Once Castillo is in position, place your hand on the interior square of Castillo and let the sides drop down towards the T-Grid, ensuring that the fins found on the edges of the net are facing outward, toward the void space.



**C).** Once Castillo has taken shape, simply fit it to the interior supports between each relevant space in-between the open spaces within the T-Grids, where Castillo will sit.