

The image features two identical wooden chairs with a spindle back, positioned against a wall covered in vertical cork wallcovering. The wallcovering consists of rectangular panels with a vertical groove between them, creating a rhythmic pattern. The chairs are made of a polished, reddish-brown wood. The lighting is soft, casting gentle shadows on the wall and floor.

# Porto 3

Acoustic Cork Wallcovering

spinneybeck

# About

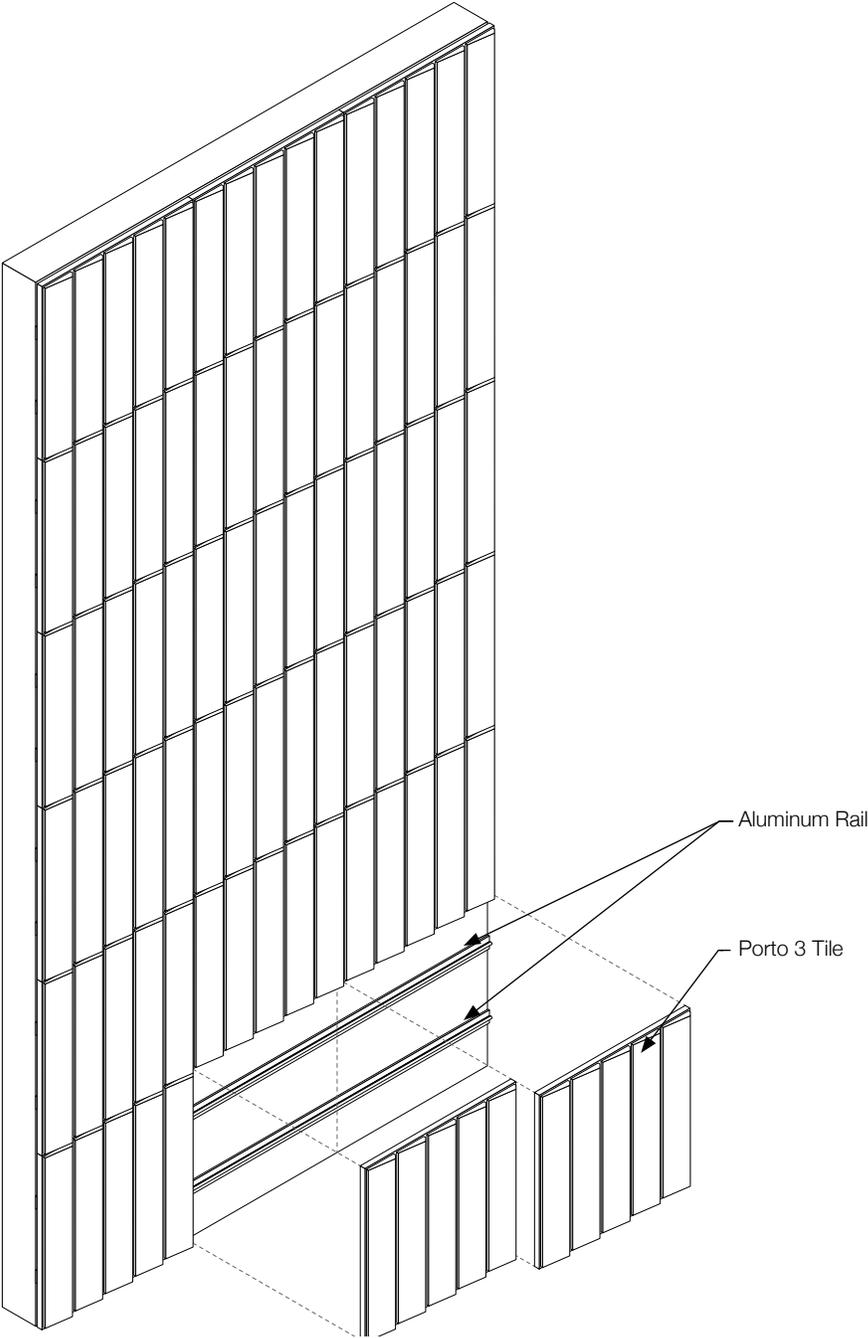
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Porto 3 is an acoustically absorptive composite cork wall system composed of 1'-4" (40.6 cm) square tiles produced with waste material from wine stopper production. The resulting product is 93% recycled cork produced in a waste-free molding process. The tiles secure to the unique pressure fit rail system with a gentle push. Named after the Portuguese city known for its cork factories, the design of Porto 3 tiles is inspired by the familiar texture of saw-tooth rooftops on factory buildings. Tiles may be oriented horizontally or vertically to provide sound softening and pattern.

# About

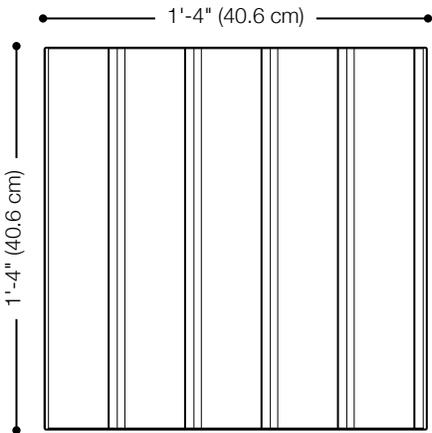
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**1** Exploded Axonometric  
Scale: 1/2" = 1'-0"

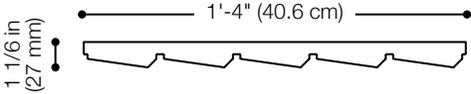
# Standard Size

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## 2 Elevations

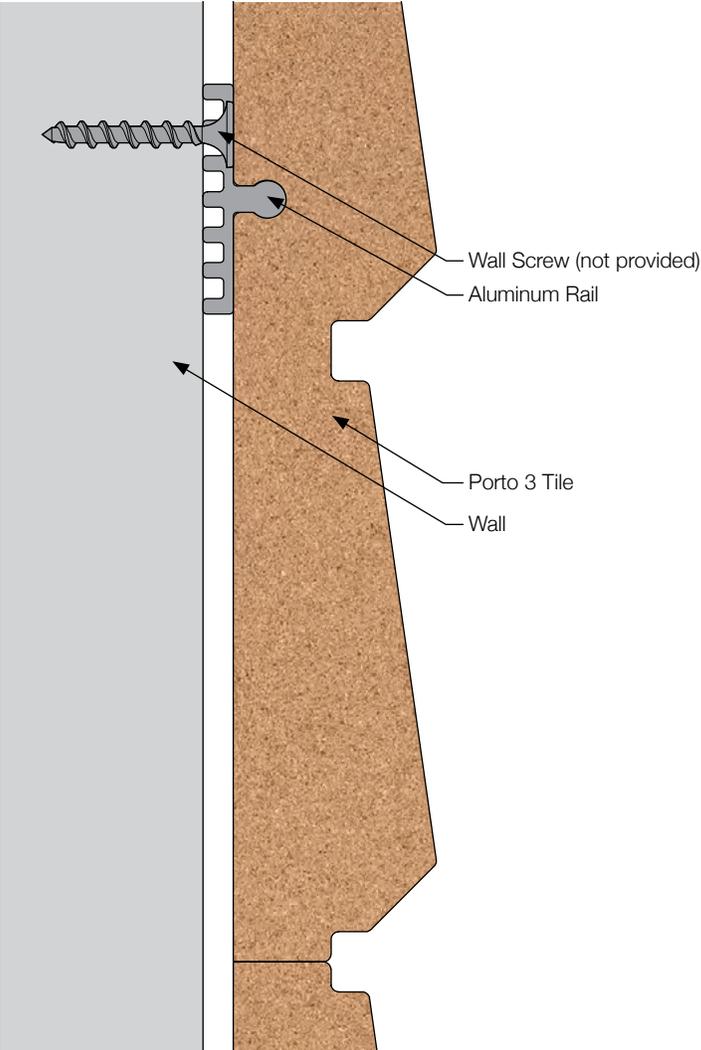
Scale: 1 1/2" = 1'-0"



## 3 Plan

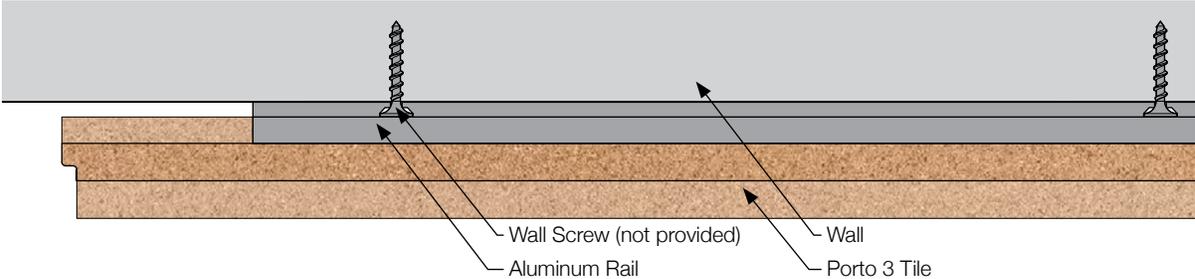
Scale: 1 1/2" = 1'-0"

# About



### 3 Section Detail

Scale: 1'-0" = 1'-0"

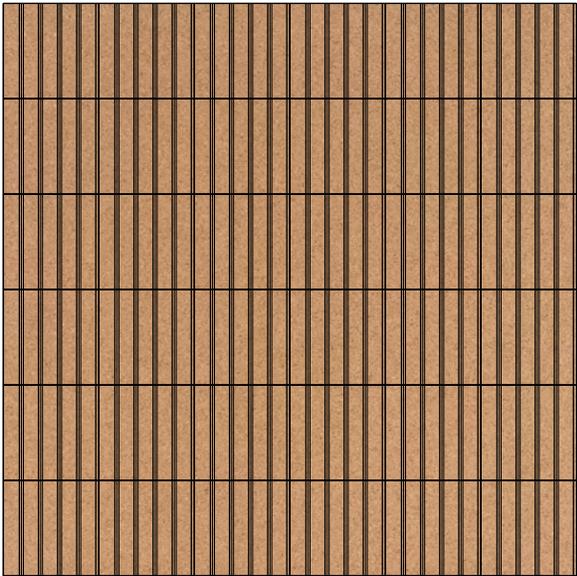


### 4 Plan Detail

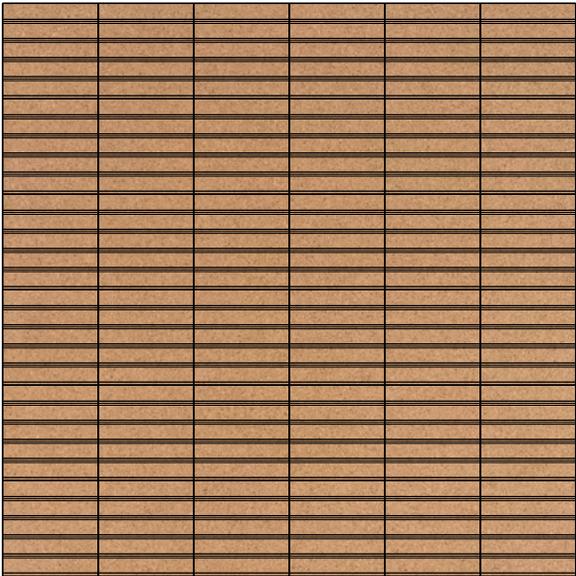
Scale: 6" = 1'-0"

# Suggested Configurations

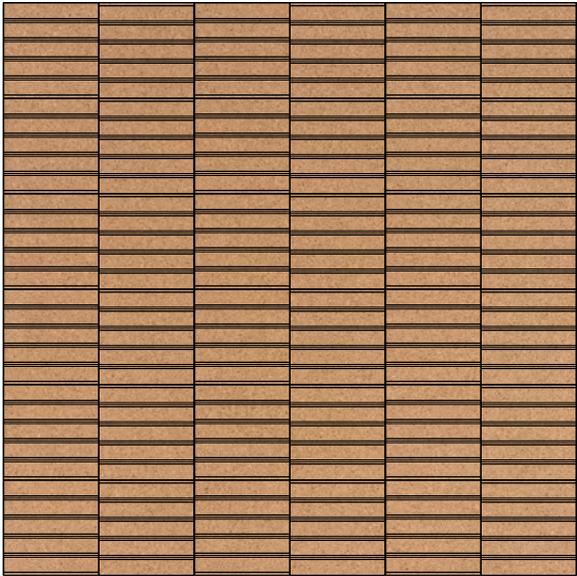
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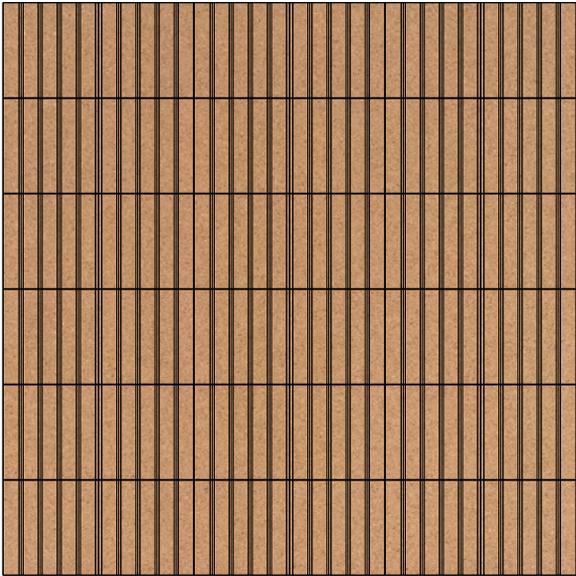
Porto 3 Pattern 1



Porto 3 Pattern 2



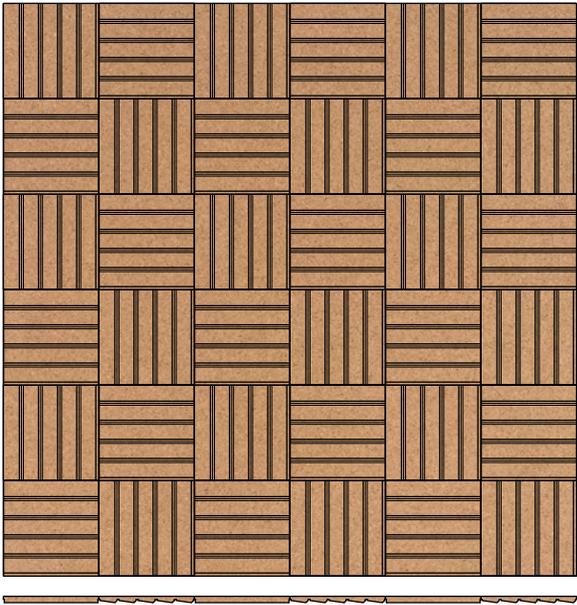
Porto 3 Pattern 3



Porto 3 Pattern 4

# Suggested Configurations

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Porto 3 Pattern 5

# Specifications

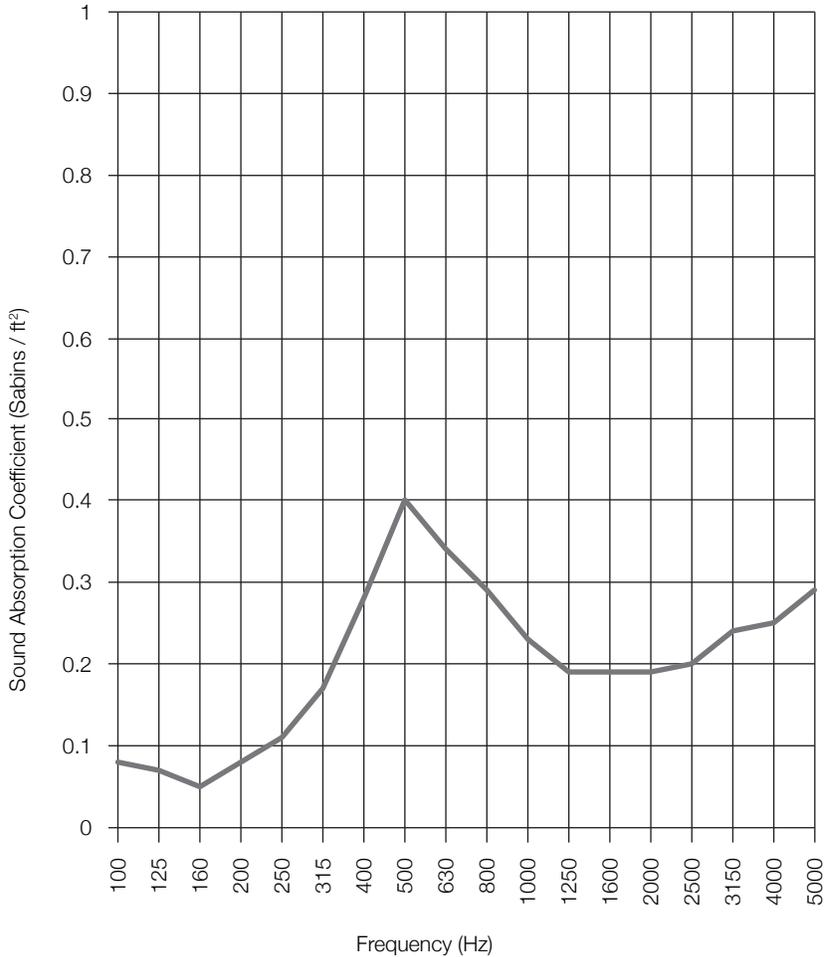
<b>Name</b>	Porto 3
<b>Designer</b>	Lars Beller Fjetland
<b>Origin</b>	Portugal
<b>Content</b>	93% Recycled Cork + 7% Resin
<b>Tile Size</b>	1'-4" x 1'-4" in (40.6 x 40.6 cm)
<b>Tile Thickness</b>	1 1/6 in (27 mm)
<b>Weight</b>	18 oz / ft <sup>2</sup> (5492 g / m <sup>2</sup> )
<b>Standard Color</b>	Natural Cork
<b>Durability</b>	Contract or residential
<b>Maintenance</b>	Dust regularly. Spot clean with cloth dampened with water only.
<b>Environmental</b>	Cork is the bark of the cork oak tree and is 100% natural plant tissue Cork is 100% biodegradable, formaldehyde free, and FSC Certified Cork contributes to LEED® MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials Porto 3 is 93% post-industrial recycled material and contributes to LEED® MR Credit 4.1-4.2
<b>Design Tool</b>	A Design Tool is available to assist in the design of Porto tiles. This tool allows patterns to be configured and is available at: <a href="http://dt.spinneybeck.com">dt.spinneybeck.com</a> .
<b>Installation</b>	Patent pending pressure fit rails provided—Rails ship in segments of 6'-0" (1.8 m) and must be cut to length by installer. Refer to Porto Installation Instructions document for detailed instructions.
<b>Variation</b>	Cork is a natural material and minor changes in color are evidence of the 100% natural origin of the material
<b>Acoustics</b>	ASTM C 423: NRC – 0.25, SAA – 0.22
<b>Colorfastness to Light</b>	Class 2–3
<b>Flammability</b>	ASTM E 84: Class B

# Acoustic

## Sound Absorption Results

Frequency (Hz)	Sound Absorption Coefficient (Sabins / ft <sup>2</sup> )
100	0.08
125	0.07
160	0.05
200	0.08
250	0.11
315	0.17
400	0.28
500	0.40
630	0.34
800	0.29
1000	0.23
1250	0.19
1600	0.19
2000	0.19
2500	0.20
3150	0.24
4000	0.25
5000	0.29

SAA = 0.22  
NRC = 0.25



### Test Report Porto 3

For Porto 3, the test report quotes the frequency dependent sound absorption data as well as the single number ratings. Data taken from Test Report RAL™-A16-043 conducted by Riverbank Acoustical Laboratories. Complete test results are available upon request.