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# BuzziReForm

## Product Specification Sheet

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This document contains technical information about the BuzziReForm

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## A fully biodegradable mycelium-based acoustic panel



BuzziReForm is an innovative acoustic panel system made from mycelium and local organic waste, particularly hemp fibers sourced from Europe. The mycelium is grown in the mixture and molded into forms, resulting in a product that offers effective sound absorption properties.

The panels are finished with eco-friendly mineral paint and come in a variety of nature-inspired colors. Each panel displays unique surface characteristics that result from the natural growth process of mycelium, ensuring that every installation is distinctive while maintaining consistent acoustic performance. At the end of its lifecycle, BuzziReForm is fully biodegradable and can be home composted, aligning with circular economy principles and helping to reduce operational emissions.

Design by BuzziSpace Studio

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### General

-  BuzziReForm  
Wall mounted
-  Material: Mycelium coated with ecological mineral paint

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### Acoustics



Absorption



Diffusion



Mid tones



High tones

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### Content

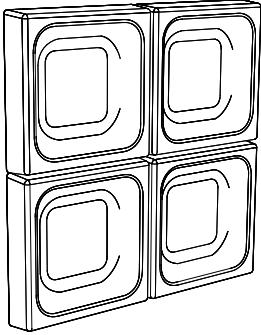
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# Configurations

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## BuzziReForm Brut

Sold exclusively in sets of 4 panels, 1 set = 4 panels in one color  
Example composition



- 🔑 Brut
- 🌲 Material: Mycelium coated with ecological mineral paint
- 📏 W 40 cm H 40 cm D 8 cm  
W 15.75" H 15.75" D 3.15"
- ⚖️ 1,3 kg  
2.87 lbs

Disclaimer

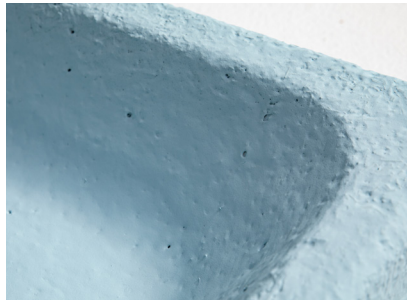
### Embrace nature's imperfections

Each BuzziReForm panel captures the organic essence of mycelium production, reflecting the natural variability found in its finished form. As these panels are created from a living, naturally grown material, **they exhibit unique characteristics, including subtle variations in surface texture, dimensions, and color nuances**—each panel tells its own story through the patterns of natural growth.

**These variations are not manufacturing defects;** instead, they reflect our commitment to sustainable, bio-based design principles. The differences in each panel highlight the authentic, unprocessed beauty of organic materials, reflecting our conscious choice to embrace and celebrate the inherent properties of nature-based resources in our pursuit of sustainable acoustic solutions.



**Surface variations**



**Texture variations**



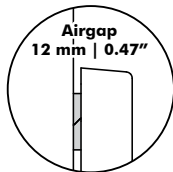
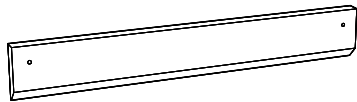
**Dimensional variations**

# Fixing Systems

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## Fixing System Wall (Optional)

Both fixing systems are optional – you can also opt for mounting the panels using commercially available glue. We recommend using Tec7 X-Tack or Soudal Fix All High Tack for the best results.

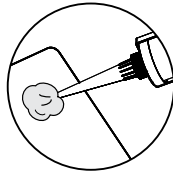
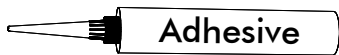


### Fixing System Wood

Adequate for 4 panels/1 set

including:

- 8 wooden brackets (2 per panel)
  - 8 wooden spacers (2 per panel)
  - 16 screws (4 per panel)
- excluding screws for wall

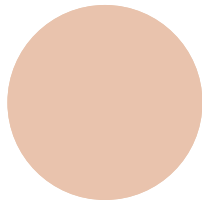


### Fixing System Adhesive

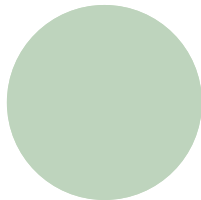
Adequate for 12 panels/3 sets

## Finishes

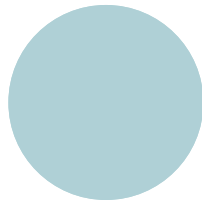
NCS color representations are provided only for reference. Actual paint colors may appear slightly different on real panels.



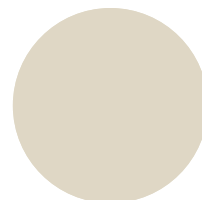
Canyon  
NCS S 1515-Y60R



Meadow  
NCS S 1515-G20Y



Lagoon  
NCS S 1515-B20G

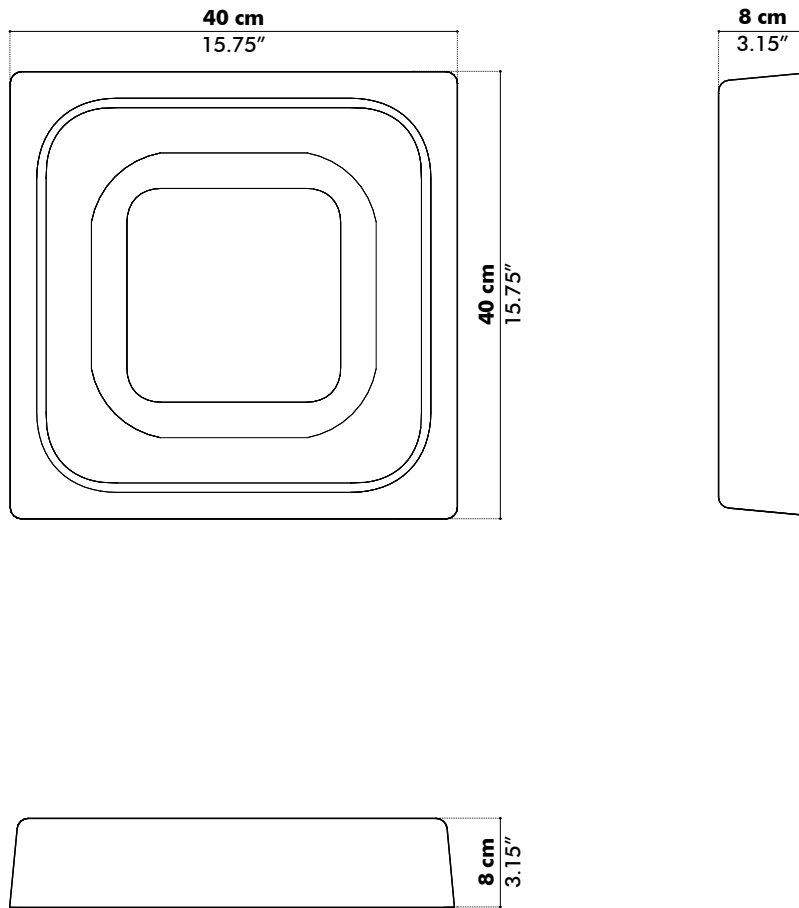


Dune  
NCS S 1505-Y20R

# Dimensions

## BuzziReForm Brut

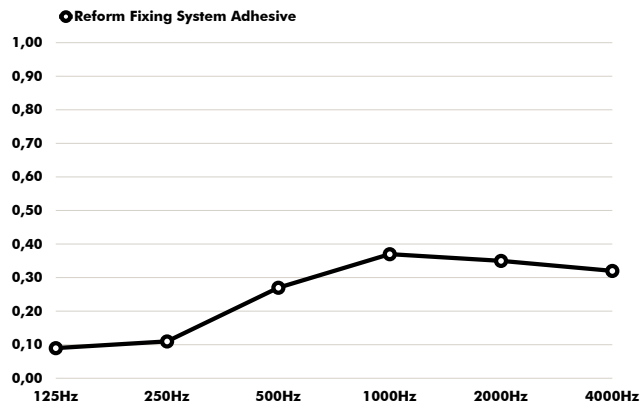
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# Acoustics

## BuzziReform Fixing System Adhesive

### Absorption coefficient



Hz	$\alpha_s$
125	0.09
250	0.11
500	0.27
1000	0.37
2000	0.35
4000	0.32

### Absorption Values

$\alpha_w$  (ISO 11654) **0.30**

NRC (ASTM - C423) **0.25**

SAA (ASTM-C423) **0.28**

Class (ISO 11654) **D**

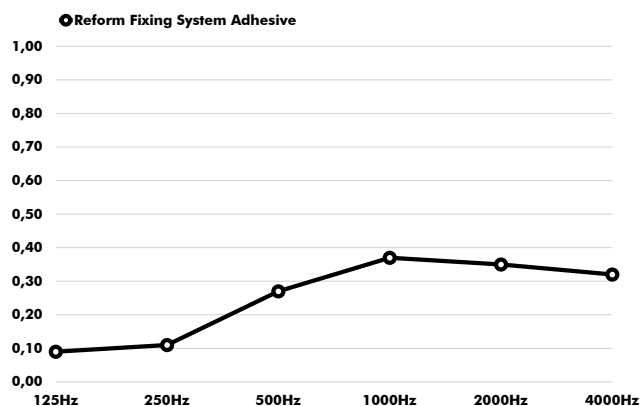
Glossary p.7



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# BuzziReform Fixing System Wood

## Absorption coefficient



Hz	$\alpha_s$
125	0.08
250	0.21
500	0.38
1000	0.30
2000	0.38
4000	0.34

## Absorption Values

$\alpha_w$  (ISO 11654) **0.40**

NRC (ASTM - C423) **0.30**

SAA (ASTM-C423) **0.31**

Class (ISO 11654) **D**

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## Glossary

All calculations are based on accredited lab measurements, official document available on Buzzi.Space

### Definitions

<b><math>\alpha</math></b>	Weighted absorption coefficient	(ISO 11654)
<b>NRC</b>	Noise reduction coefficient	(ASTM - C423)
<b>SAA</b>	Sound absorption average	(ASTM - C423)

### Classification of sound absorbers NEN-EN-ISO 11654

<b>A</b>	0.90   0.95   1.0
<b>B</b>	0.80   0.85
<b>C</b>	0.60   0.65   0.70   0.75
<b>D</b>	0.03   0.55
<b>E</b>	0.15   0.25