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# BuzziTile

## Product Specification Sheet

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This document contains technical information about the BuzziTile

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[www.buzzi.space](http://www.buzzi.space)

## Graphical acoustic wall element

The BuzziTile turns any blind wall into a must see. By using multiple Tiles and playing with different colours you create a highly graphical feature on the wall. Let your creativity do the work.


BuzziTile is offered in flat and different 3d pattern and can be finished off in different fabrics.

The BuzziTile family is a perfect solution for attenuating sound.

Design by Sas Adriaenssens

## General

 Flat | 3D  
BuzziTile Square L | Square XL | Metro | Hexa | Penta | Triangle L | Triangle XL

 Filling: acoustic foam  
Cover: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2

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## Acoustics



Absorption



Diffusion



Mid tone



High tone

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## Certifications



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# Composition

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## Back in Felt | Tape

6 mm | 0.24" BuzziFelt  
acoustic foam  
layer of fabric  
self adhesive tape at the back

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## Back in Wood | Tape

6 mm | 0.24" MDF  
acoustic foam  
layer of fabric  
self adhesive tape at the back

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## Back in Wood | Powermagnets

6 mm | 0.24" MDF  
acoustic foam  
layer of fabric  
powermagnets flush with wood

## Note

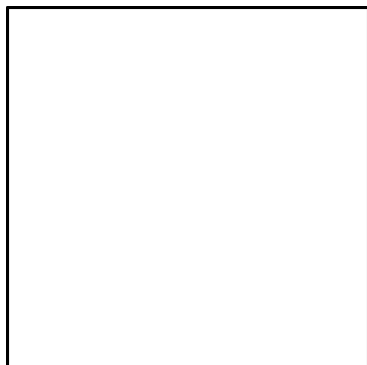
Be sure wall surface is free of dirt, grease or any special paint finishes that could prevent the adhesive from adhering to wall surface.

Due to possible variation in dimension and density, we advise to install the tiles with felt backing at 0,5 mm - 1 cm | 0.20" - 0.39" distance from each other. For more precise applications, tiles with wooden back are advisable.

# Configurations

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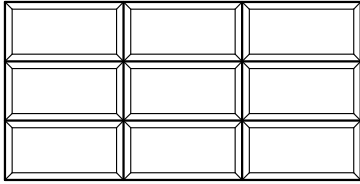
## BuzziTile Square L | XL



- Flat  
L: 3D: 1SQ, 4SQ, 25SQ, Arrow, Bee, Dune, Frost, Leaf, Radial, Rib, Spike, Waffle  
XL: 3D: 4SQ, 16SQ, Arrow, Bee, Dune, Frost, Leaf, Radial, Rib, Spike, Waffle
- 🌲 Fabrics: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2
- ✂ L: H 60 cm    W 60 cm  
H 23.62"    W 23.62"  
XL: H 120 cm    W 120 cm  
H 47.24"    W 47.24"
- ⚖ L: back in felt: ± 1 kg    |    ± 2.20 lbs  
back in wood: ± 2 kg    |    ± 4.41 lbs  
XL: back in felt: ± 3,5 kg    |    ± 6.61 lbs  
back in wood: ± 8 kg    |    ± 17.64 lbs
- Flat: - back in wood | no stitch | self adhesive tape or powermagnets  
3D: - back in felt: with or without stitch + self adhesive tape  
... (no stitch for Radial | Waffle | Leaf | Bee)  
- back in wood: no stitch + self adhesive tape or no stitch + powermagnets

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## BuzziTile Metro



Flat  
3D: Metro

Fabrics: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2

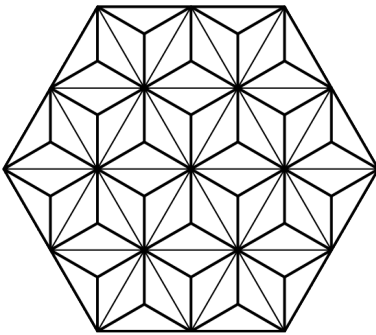
H 40 cm    W 80 cm  
H 15.75"    W 31.50"

Back in felt:    ± 1 kg | ± 2.20 lbs  
Back in wood:    ± 2 kg | ± 4.41 lbs

3D: - back in felt: with or without stitch + self adhesive tape  
... - back in wood: no stitch + self adhesive tape or  
no stitch + powermagnets

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## BuzziTile Hexa



3D: Bee | Frost | Spike | Why

Fabrics: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2

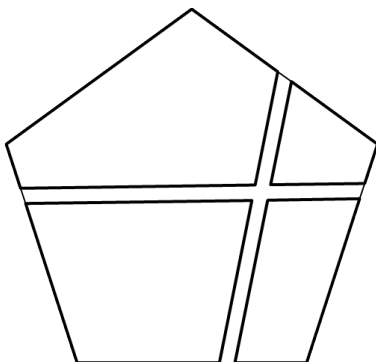
H 60 cm    W 69,3 cm  
H 23.62"    W 27.28"

Back in felt:    ± 0,75 kg | ± 1.65 lbs  
Back in wood:    ± 1,75 kg | ± 3.86 lbs

3D: - back in felt: no stitch + self adhesive tape  
... - back in wood: no stitch + self adhesive tape or  
no stitch + powermagnets

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## BuzziTile Penta



3D: Kite

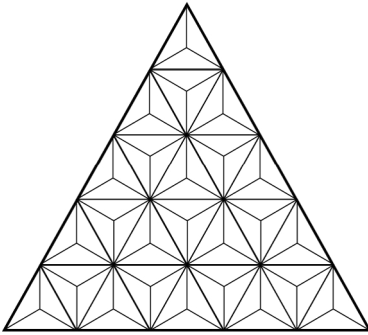
Fabrics: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2

H 60 cm    W 63 cm  
H 23.62"    W 24.80"

Back in felt:    ± 0,70 kg | ± 1.54 lbs  
Back in wood:    ± 1,50 kg | ± 3.31 lbs

3D: - back in felt: no stitch + self adhesive tape  
... - back in wood: no stitch + self adhesive tape or  
no stitch + powermagnets

# BuzziTile Triangle L | XL



Flat  
3D: Spike

Fabrics: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2

L: H 52 cm W 60 cm  
H 20.47" W 23.62"  
XL: H 104 cm W 120 cm  
H 40.94" W 47.24

L: Back in felt: ± 0,5kg | ± 1.10 lbs  
Back in wood: ± 1 kg | ± 2.20 lbs  
XL: Back in felt: ± 1,5kg | ± 3.31 lbs  
Back in wood: ± 4 kg | ± 8.82 lbs

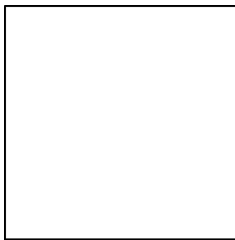
Flat: - back in wood | no stitch | self adhesive tape or powermagnets  
3D: - back in felt: no stitch + self adhesive tape  
- back in wood: no stitch + self adhesive tape or no stitch + powermagnets

## Patterns

### BuzziTile Square L

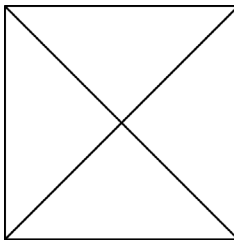
**Flat**

H 60 cm W 60 cm  
H 23.62" W 23.62"



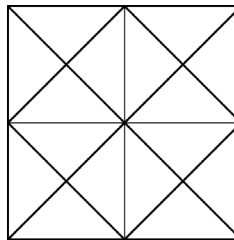
**1SQ**

H 60 cm W 60 cm  
H 23.62" W 23.62"



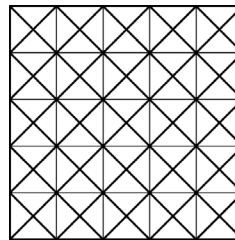
**4SQ**

H 60 cm W 60 cm  
H 23.62" W 23.62"



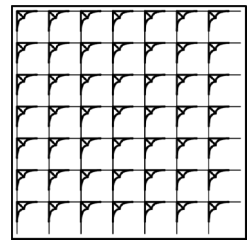
**25SQ**

H 60 cm W 60 cm  
H 23.62" W 23.62"



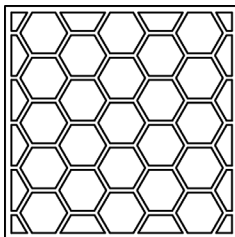
**Arrow**

H 60 cm W 60 cm  
H 23.62" W 23.62"



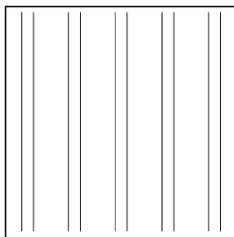
**Bee**

H 60 cm W 60 cm  
H 23.62" W 23.62"



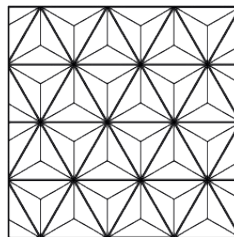
**Dune**

H 60 cm W 60 cm  
H 23.62" W 23.62"



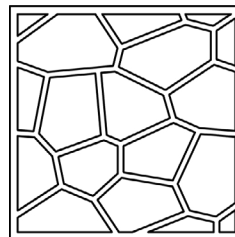
**Frost**

H 60 cm W 60 cm  
H 23.62" W 23.62"



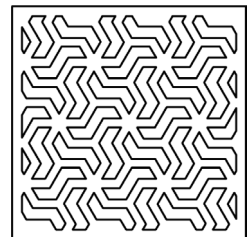
**Leaf**

H 60 cm W 60 cm  
H 23.62" W 23.62"



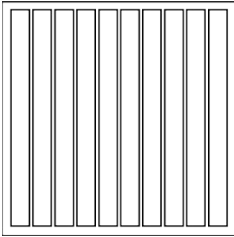
**Radial**

H 60 cm W 60 cm  
H 23.62" W 23.62"



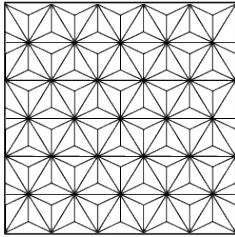
**Rib**

H 60 cm W 60 cm  
H 23.62" W 23.62"



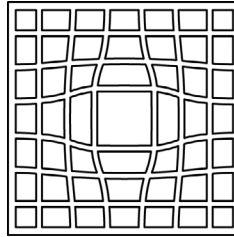
**Spike**

H 60 cm W 60 cm  
H 23.62" W 23.62"



**Waffle**

H 60 cm W 60 cm  
H 23.62" W 23.62"

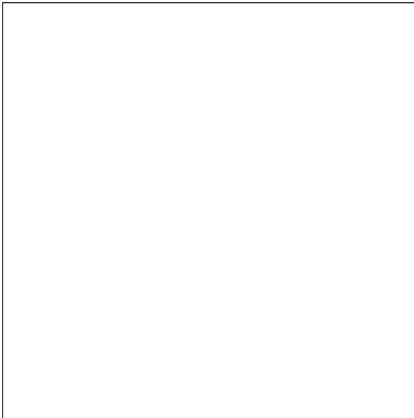


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**BuzziTile Square XL**

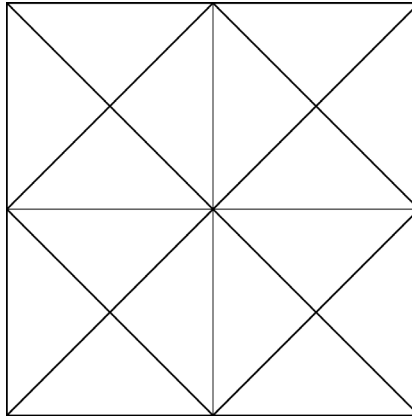
**Flat**

H 120 cm W 120 cm  
H 47.24" W 47.24"



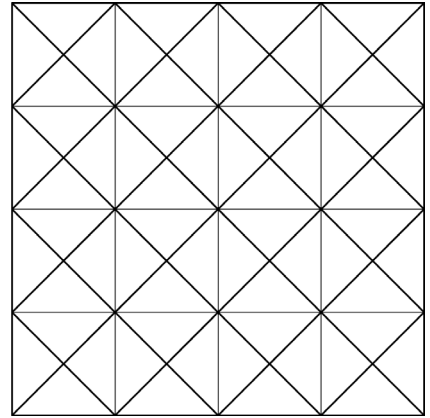
**4SQ**

H 120 cm W 120 cm  
H 47.24" W 47.24"



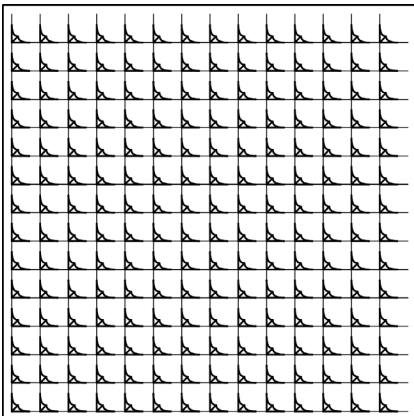
**16SQ**

H 120 cm W 120 cm  
H 47.24" W 47.24"



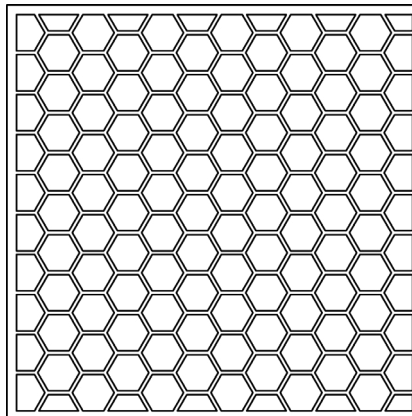
**Arrow**

H 120 cm W 120 cm  
H 47.24" W 47.24"



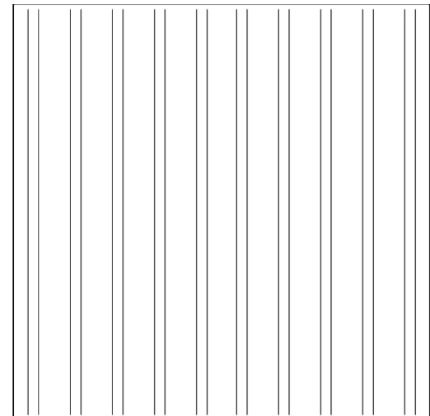
**Bee**

H 120 cm W 120 cm  
H 47.24" W 47.24"



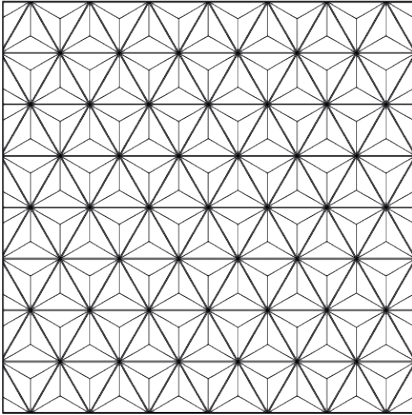
**Dune**

H 120 cm W 120 cm  
H 47.24" W 47.24"



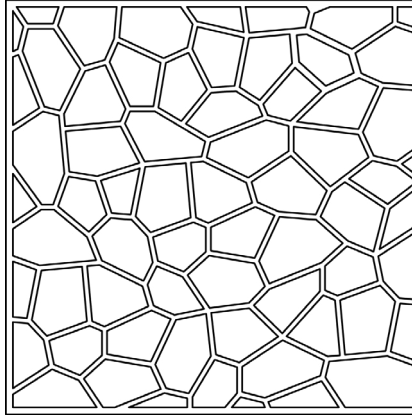
**Frost**

H 120 cm W 120 cm  
H 47.24" W 47.24"



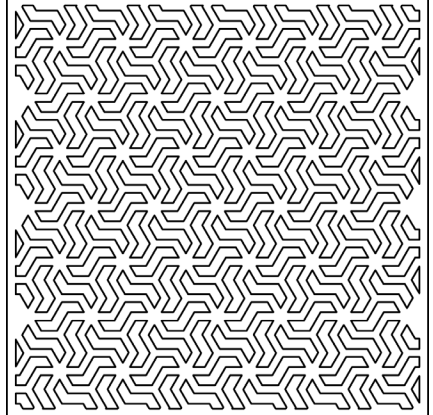
**Leaf**

H 120 cm W 120 cm  
H 47.24" W 47.24"



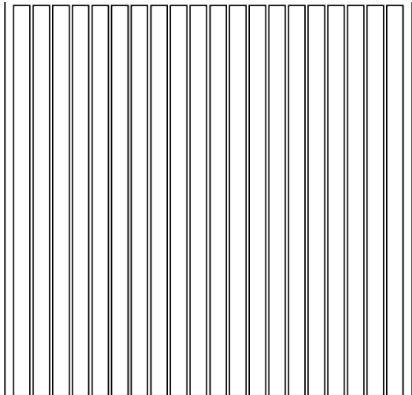
**Radial**

H 120 cm W 120 cm  
H 47.24" W 47.24"



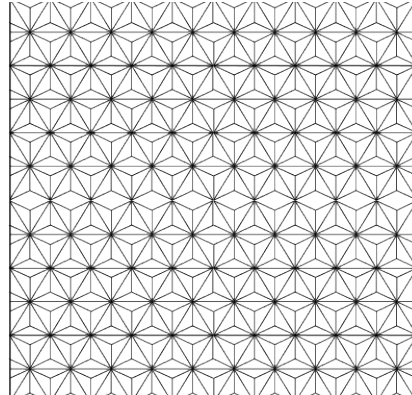
**Rib**

H 120 cm W 120 cm  
H 47.24" W 47.24"



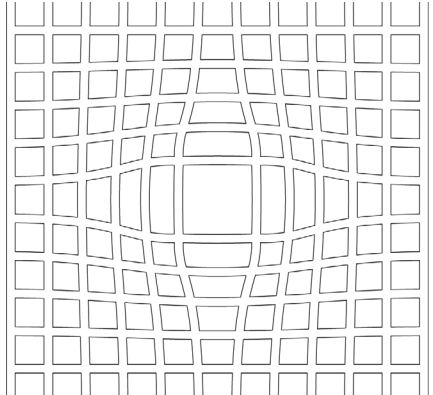
**Spike**

H 120 cm W 120 cm  
H 47.24" W 47.24"



**Waffle**

H 120 cm W 120 cm  
H 47.24" W 47.24"

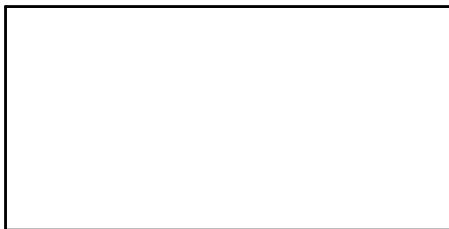


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**BuzziTile Metro**

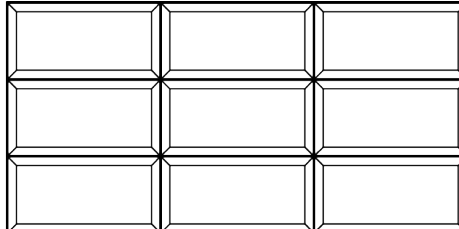
**Flat**

H 40 cm W 80 cm  
H 15.75" W 31.50"



**3D Metro**

H 40 cm W 80 cm  
H 15.75" W 31.50"

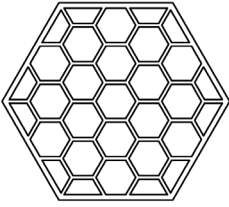


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## BuzziTile Hexa

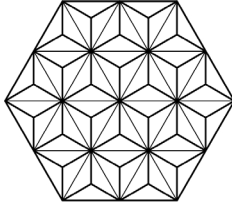
### Bee

H 60 cm W 69,3 cm  
H 23.62" W 27.28"



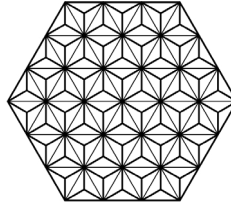
### Frost

H 60 cm W 69,3 cm  
H 23.62" W 27.28"



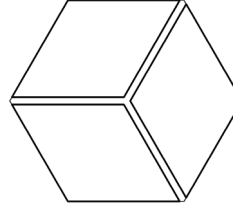
### Spike

H 60 cm W 69,3 cm  
H 23.62" W 27.28"



### Why

H 60 cm W 69,3 cm  
H 23.62" W 27.28"

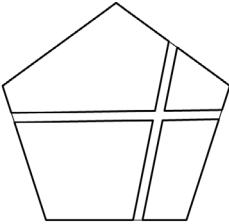


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## BuzziTile Penta

### Kite

H 60 cm W 63 cm  
H 23.62" W 24.80"

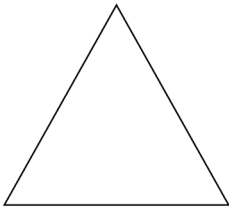


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## BuzziTile Triangle L | XL

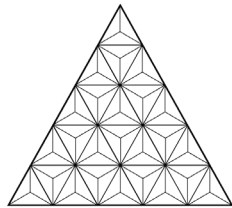
### Flat

W 60 cm H 52 cm  
W 23.62" H 20.47"



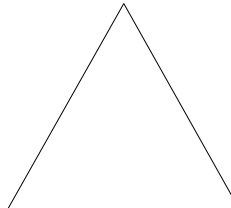
### Spike

W 60 cm H 52 cm  
W 23,62" H 20.47"



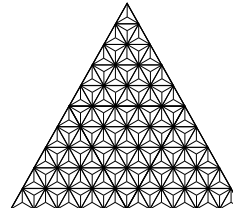
### Flat

W 120 cm H 104 cm  
W 47.24 H 40.94"



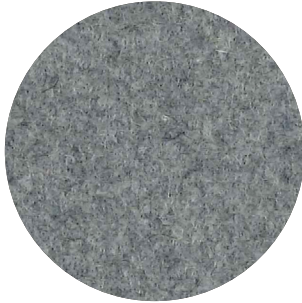
### Spike

W 120 cm H 104 cm  
W 47.24 H 40.94"



# Fabrics

## Fabric (45 colors)



**Category A**

**Composition** 70% Recycled Wool, 25% Recycled Polyacryl,  
5% Recycled Other Fabrics

**Weight** 405 g/m<sup>2</sup> | 11.94 oz/yd<sup>2</sup>

**Abrasion resistance** 40.000 Martindale, 50,000 Wyzenbeek

**Flammability** EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette).  
EN 1021.2/2006 | BS EN 1021.2/2006 (match)  
USA: CAL TB 117 | ASTM E84 CLASS A

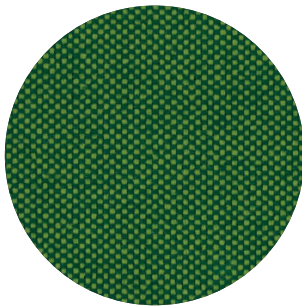
**Fastness to light** EU: 4 | USA 4

**Fastness to rubbing** EU: Wet 3-4 | Dry 4-5

**Fastness to crocking** USA: Wet 5 | Dry 5



## Trevira CS (47 colors)



**Category A**

**Weight** 420 g/m<sup>2</sup> | 12.39 oz/yd<sup>2</sup>

**Composition** 100% Polyester, Trevira CS

**Abrasion resistance** 100.000 Martindale, 90,000 Wyzenbeek

**Flammability** BS 5852 part II: CRIB 5 | BS 7176 Medium Hazard  
USA: CAL TB 117 | M1 | B1 | EN 1021/1-2 | C1 |  
IMO Res. A652 (16)

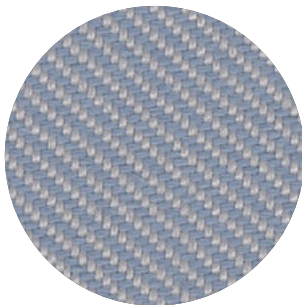
**Fastness to light** EU: 6 | USA 5

**Fastness to rubbing** EU: Wet 4-5 | Dry 4-5

**Fastness to crocking** USA: Wet 5 | Dry 5



## Reflect (34 colors)



**Category A**

**Weight** 430 g/m<sup>2</sup> | 13.78 oz/yd<sup>2</sup>

**Composition** 100% Post-consumer recycled polyester

**Abrasion resistance** 100.000 Martindale

**Flammability** AS/NZS 3837 class 1 | ASTM E84 Class A Unadhered

ASTM E84 Class B Adhered | BS 5852 crib 5 with treatment

BS 5852 part 1 with treatment | EN 1021-1/2 | US Cal. Bull. 117-2013

**Fastness to light** Note 5-7, ISO 105-B02

**Fastness to rubbing** EU: Wet 5-5 | Dry 5-5

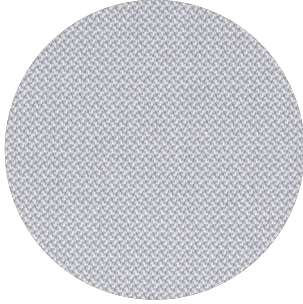
**Pilling** Note 4, EN ISO 12945



kvadrat

## Revive 1 (25 colors)

kvadrat



**Category A**

**Composition** 100% recycled polyester FR

**Weight** 430 g/lin.m

**Abrasion resistance** 60.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1  
UNI 9175 1IM | US Cal. Tech. Bull. 117  
IMO A.652 (16)

**Fastness to light** Note 5-7, ISO 105-B02

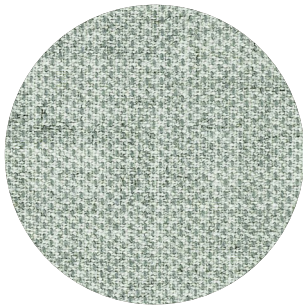
**Fastness to rubbing** (ISO) dry 5, wet 4-5

**Pilling** Note 4-5, EN ISO 12945



## Clara 2 (24 colors)

kvadrat



**Category B**

**Composition** 92% new wool, 8% nylon

**Weight** 400 g/lin.m

**Abrasion resistance** 80.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | BS 5852, ignition source 2-3 | DIN 4102 B2  
NF D 60 013 | UNI 9175 1IM | US Cal. Tech. Bull. 117, Sec. E  
NFPA 260 | IMO A.652(16)

**Fastness to light** Note 5-7, ISO 105-B02

**Fastness to rubbing** (ISO) dry 4-5, wet 4

**Pilling** Note 4, EN ISO 12945



## Remix 3 (73 colors)

kvadrat



**Category B**

**Composition** 90% new wool, 10% nylon

**Weight** 415 g/lin.m

**Abrasion resistance** 100.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | BS 5852 part 1  
Önorm B1/Q1 | NF D 60 013 | UNI 9175, 1IM  
AS/NZS 1530.3 | Cal. Tech. Bull. 117-2013  
NFPA 260 | IMO FTP Code 2010:Part 8

**Fastness to light** Note 5-7, ISO 105-B02

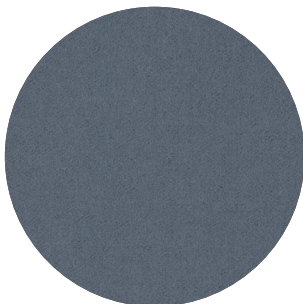
**Fastness to rubbing** (ISO) dry 4-5, wet 4

**Pilling** Note 4, EN ISO 12945



## Hero 2 (33 colors)

kvadrat



**Category C**

**Composition** 97% new wool, 3% nylon

**Weight** 580 g/lin.m

**Abrasion resistance** 45.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | DIN 4102 B2 | NF D 60 013  
UNI 9175 1IM | US Cal. Bull. 117-2013 | NFPA 260  
IMO A.652 (16)

**Fastness to light** Note 5-6, ISO 105-B02

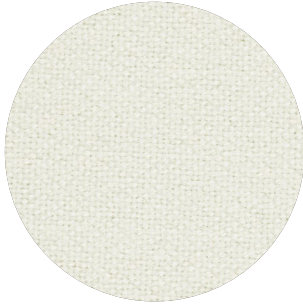
**Fastness to rubbing** (ISO) dry 4-5, wet 4-5

**Pilling** Note 3-4, EN ISO 12945



## Tonus 4 (47 colors)

kvadrat



**Category D**

**Composition** 90% new wool, 10% Helanca

**Weight** 665 g/lin.m

**Abrasion resistance** 100.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | BS 5852 part 1 | DIN 4102 B2

Önorm B1/Q1 | NF D 60 013 | UNI 9175 11M

US Cal. Bull. 117-2013 | NFPA 260 | IMO A.652 (16)

**Fastness to light** Note 5-7, ISO 105-B02

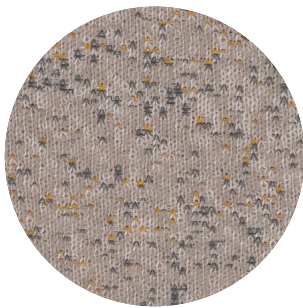
**Fastness to rubbing** (ISO) dry 3-5, wet 3-5

**Pilling** Note 3, EN ISO 12945



## Arda (12 colors)

kvadrat



**Category E**

**Composition** 70% new wool 21% polyester 9% nylon

**Weight** 800 g/lin. m | 25.8 oz/ly

**Abrasion resistance**

Approx. 50.000 Martindale rubs, EN ISO 12947

**Flammability** ASTM E84 Class A Unadhered | AS/NZS 3837 class 2 | BS 5852 part 1

BS 5852 crib 5 | DIN 4102 B2 | EN 1021-1/2 | IMO FTP Code 2010 Part 8

UNI 9175 11M | US Cal. Bull. 117-2013

**Fastness to light** Note 5-8, ISO 105-B02

**Fastness to rubbing** Dry note 3-5 ISO 105-X12

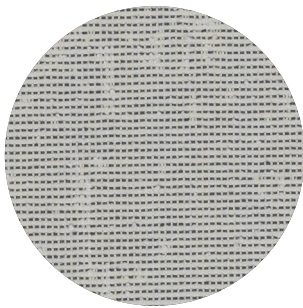
Wet note 3-5 ISO 105-X12

**Pilling** Note 4, EN ISO 12945



## Memory 2 (20 colors)

kvadrat



**Category E**

**Composition** 100% Trevira CS

**Weight** 700 g/lin.m

**Abrasion resistance**

35.000 rubs acc. to the Martindale method, EN ISO 12947

**Flammability** EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1

NF D 60 013 | NF P 92 507 M1 | UNI 9175 11M

UNI 9177 classe 1 | US Cal. Tech. Bull. 117

IMO A.652 (16)

**Fastness to light** Note 5-8, ISO 105-B02

**Fastness to rubbing** (ISO) dry 4-5, wet 4-5

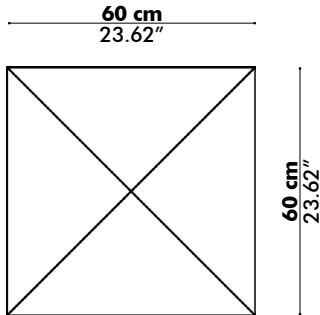
**Pilling** Note 4, EN ISO 12945



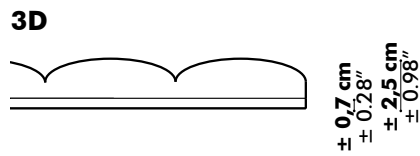
# Dimensions

## BuzziTile Square L

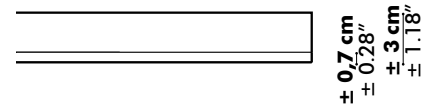
Front



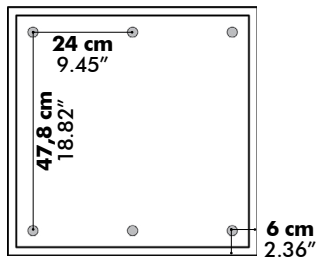
Thickness



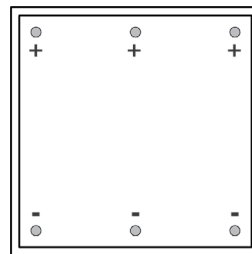
Flat



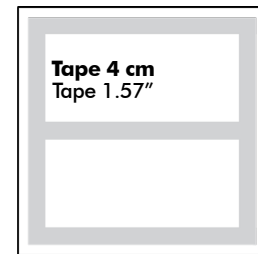
Back with powermagnets



Positive | negative magnet location

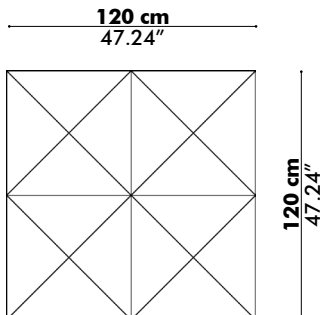


Back with self adhesive tape

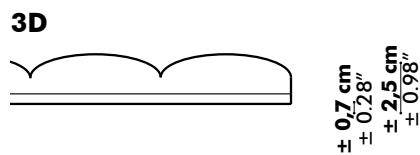


## BuzziTile Square XL

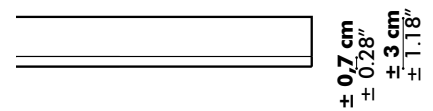
Front



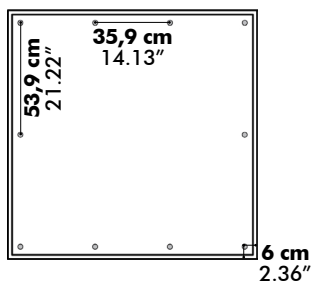
Thickness



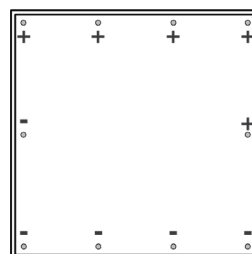
Flat



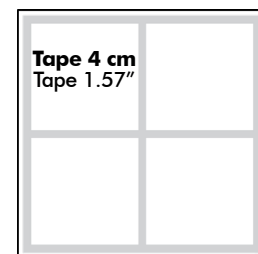
Back with powermagnets



Positive | negative magnet location

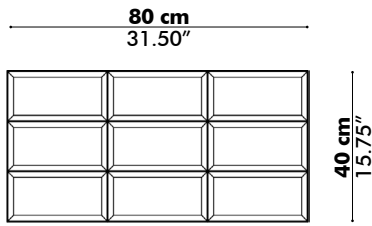


Back with self adhesive tape

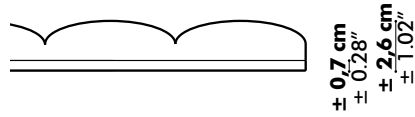


# BuzziTile Metro

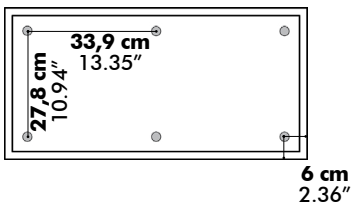
## Front



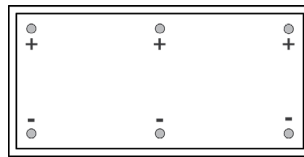
## Thickness



## Back with powermagnets



## Positive | negative magnet location

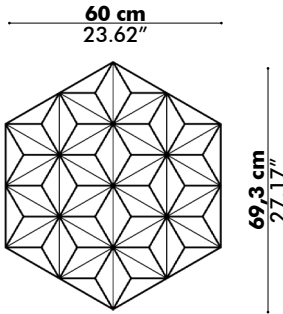


## Back with self adhesive tape

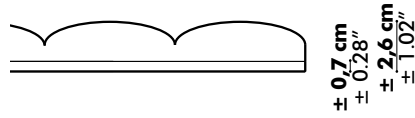


# BuzziTile Hexa

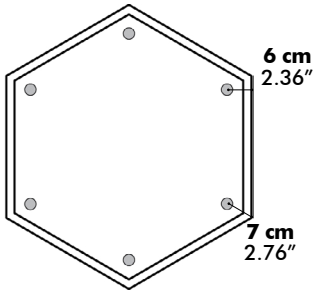
Front



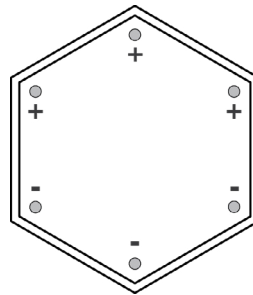
Thickness



Back with powermagnets



Positive negative magnet location

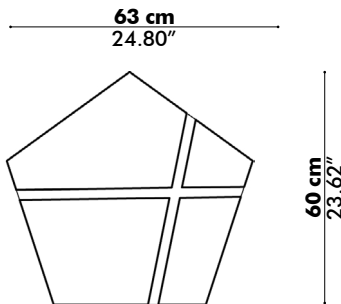


Back with self adhesive tape

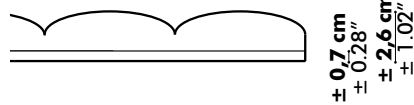


# BuzziTile Penta

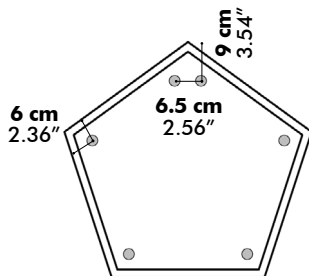
Front



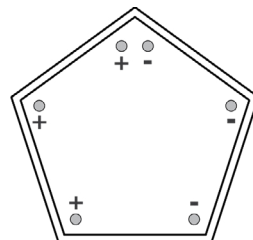
Thickness



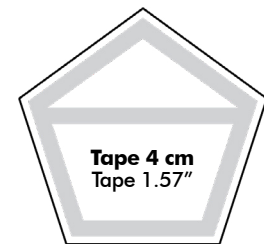
Back with powermagnets



Positive negative magnet location

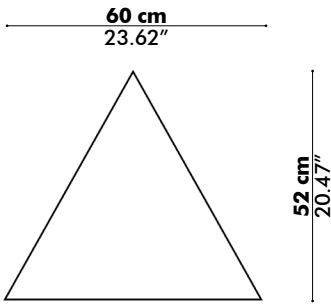


Back with self adhesive tape

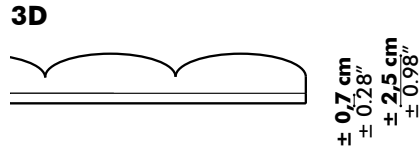


# BuzziTile Triangle L

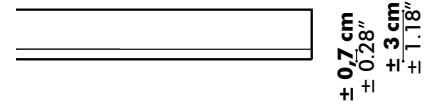
Front



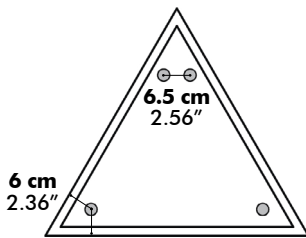
Thickness



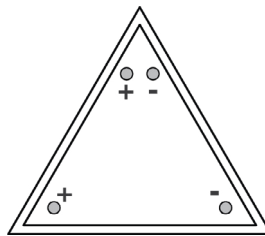
Flat



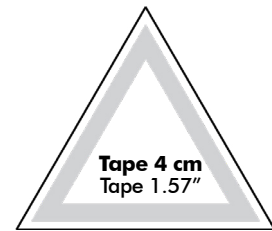
Back with powermagnets



Positive negative magnet location

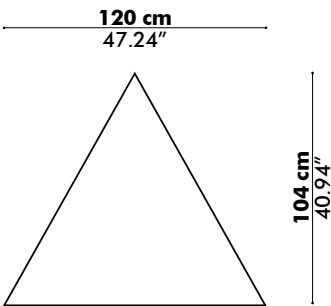


Back with self adhesive tape

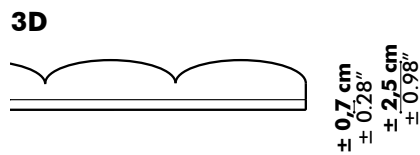


# BuzziTile Triangle XL

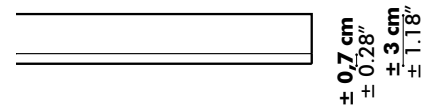
Front



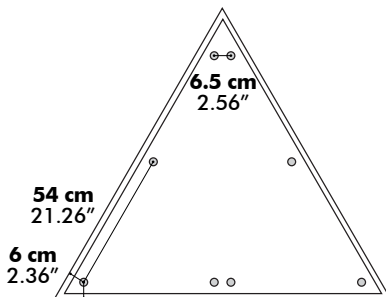
Thickness



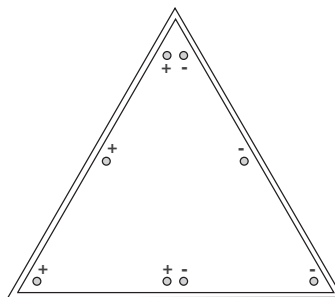
Flat



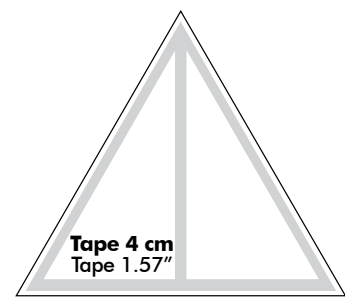
Back with powermagnets



Positive negative magnet location



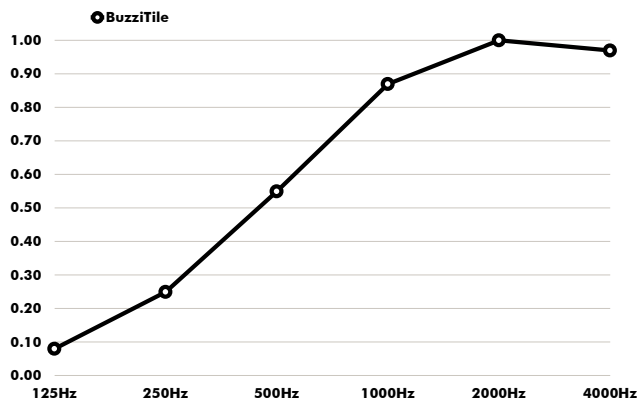
Back with self adhesive tape



# Acoustics

## BuzziTile

### Absorption coefficient



Hz	$\alpha^s$
125	0.08
250	0.25
500	0.55
1000	0.87
2000	1.04
4000	0.97

### Absorption values

$\alpha_w$  (ISO 11654) **0.55**

NRC (ASTM - C423) **0.70**

SAA (ASTM-C423) **0.68**

Class (ISO 11654) **D**

## Glossary

All calculations are based on accredited lab measurements, official document available on [www.Buzzi.Space](http://www.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