# BuzziTile

## Product Specification Sheet

This document contains technical information about the BuzziTile

BUZZI SPACE

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 attentuating sound.

Design by BuzziSpace Studio

## General

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

Filling: Foam CME35H
Cover: Fabric, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

## Acoustics

Absorption

Diffusion

## Content


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# Composition

**Back in Felt | Tape**

6 mm | 0.24" BuzziFelt
foam CME35H
layer of fabric
self adhesive tape at the back

**Back in Wood | Tape**

6 mm | 0.24" MDF
foam CME35H
layer of fabric
self adhesive tape at the back

**Back in Wood | Powermagnets**

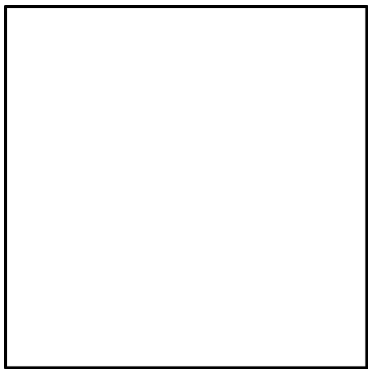
6 mm | 0.24" MDF
foam CME35H
layer of fabric
powermagnets

## 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

## BuzziTile L | XL



Flat
3D: 1SQ, 4SQ, 25SQ, Arrow, Bee, Dune, Frost, Leaf, Lips, Radial, Rib, Spike, Waffle

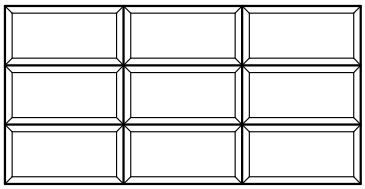
Fabrics: Fabric, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

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: ± 1kg | ± 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

## BuzziTile Metro



Flat
3D: Metro

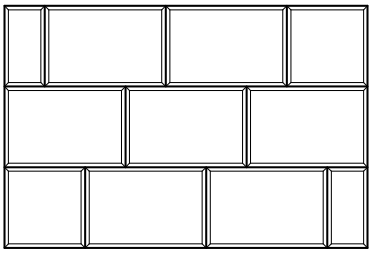
Fabrics: Fabric, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

H 40 cm W 80 cm
H 15.75″ W 31.50″

Back in felt: ± 1kg | ± 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

## BuzziTile Stone



3D: Stone

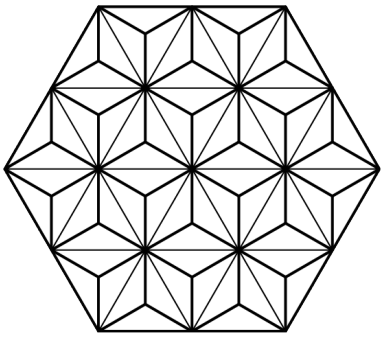
Fabrics: Fabric, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

H 60 cm W 90 cm
H 23.62″ W 35.43″

Back in felt: ± 1,3 kg | ± 2.87 lbs
Back in wood: ± 3 kg | ± 6.61 lbs

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

## BuzziTile Hexa



3D: Bee | Frost | Spike | Why

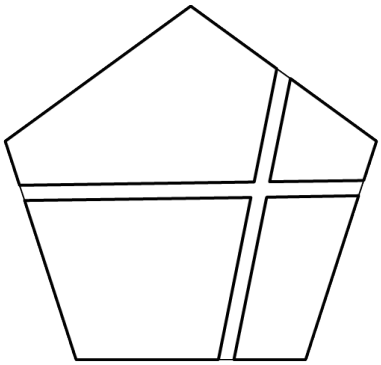
Fabrics: Fabric, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

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

## BuzziTile Penta



3D: Kite

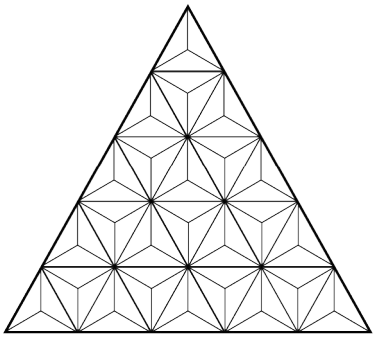
Fabrics: Fabric, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

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, Rough, Trevira CS +|CS, Revive 1, Revive 2, Terra, Clara 2, Remix 2, Hero, Tonus 4, Tonus Meadow, Memory 2, Matrix

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

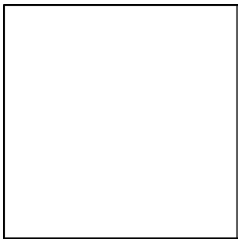
Flat: - back in wood | no stitch | self adhesive tape or powermagnets
3D: - back in felt: no stitch + self adhesive tape
- back in wood: no stitch + self adhesive tape or no stitch + powermagnets

# Patterns

## BuzziTile L

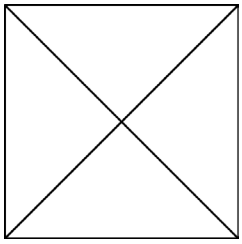
### Flat

H 60 cm W 60 cm
H 23.62″ W 23.62″



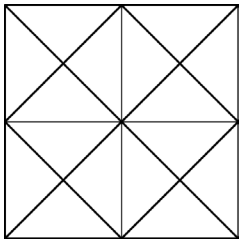
### 1SQ

H 60 cm W 60 cm
H 23.62″ W 23.62″



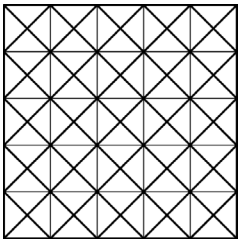
### 4SQ

H 60 cm W 60 cm
H 23.62″ W 23.62″



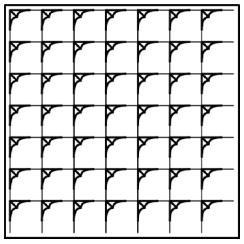
### 25SQ

H 60 cm W 60 cm
H 23.62″ W 23.62″



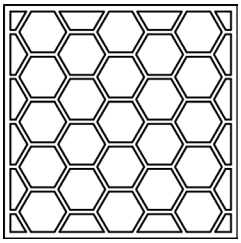
### Arrow

H 60 cm W 60 cm
H 23.62″ W 23.62″



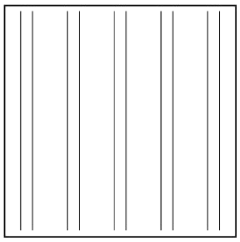
### Bee

H 60 cm W 60 cm
H 23.62″ W 23.62″



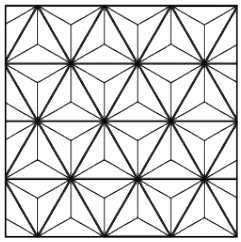
### Dune

H 60 cm W 60 cm
H 23.62″ W 23.62″



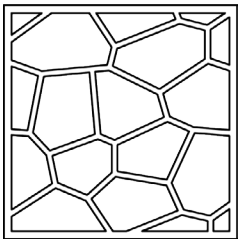
### Frost

H 60 cm W 60 cm
H 23.62″ W 23.62″



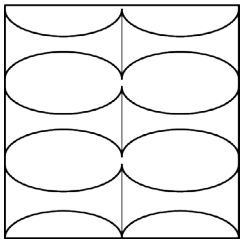
### Leaf

H 60 cm W 60 cm
H 23.62″ W 23.62″



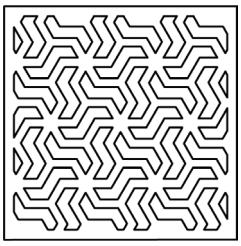
### Lips

H 60 cm W 60 cm
H 23.62″ W 23.62″



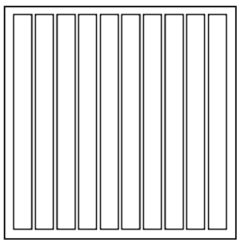
### Radial

H 60 cm W 60 cm
H 23.62″ W 23.62″



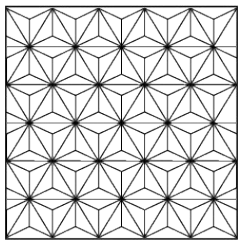
### Rib

H 60 cm W 60 cm
H 23.62″ W 23.62″



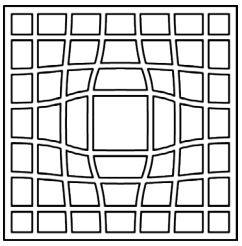
### Spike

H 60 cm W 60 cm
H 23.62″ W 23.62″



### Waffle

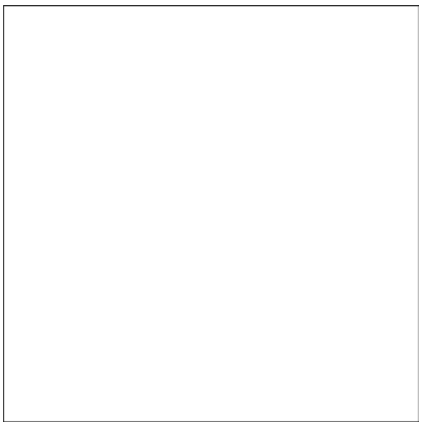
H 60 cm W 60 cm
H 23.62″ W 23.62″



# BuzziTile XL

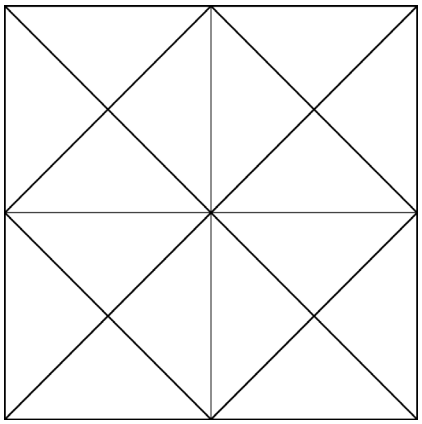
### Flat

H 120 cm W 120 cm
H 47.24″ W 47.24″



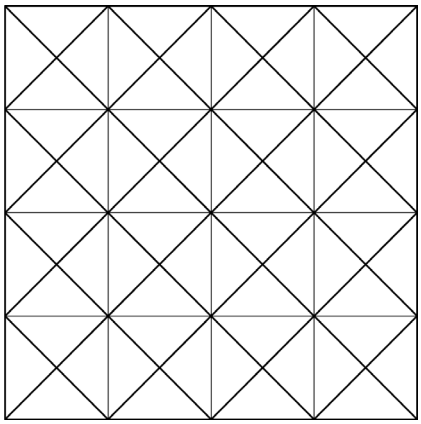
### 4SQ

H 120 cm W 120 cm
H 47.24″ W 47.24″



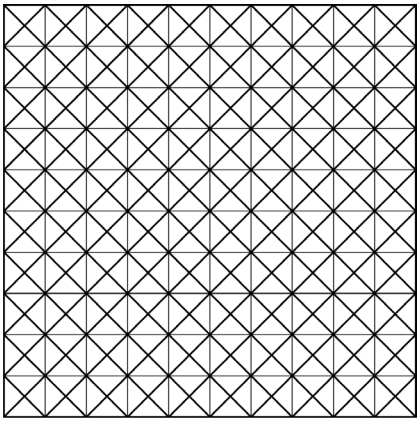
### 16SQ

H 120 cm W 120 cm
H 47.24″ W 47.24″



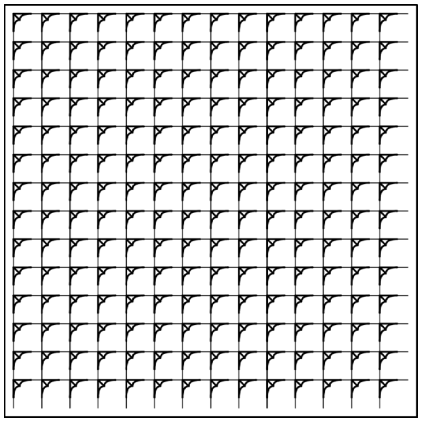
### 100SQ

H 120 cm W 120 cm
H 47.24″ W 47.24″



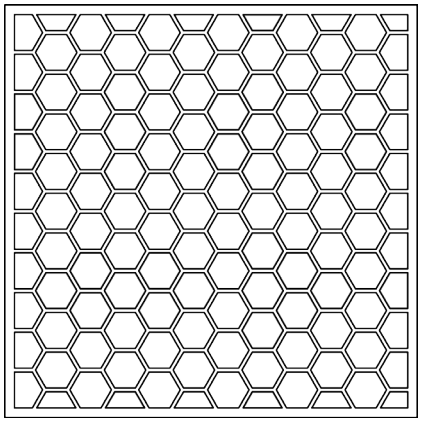
### Arrow

H 120 cm W 120 cm
H 47.24″ W 47.24″



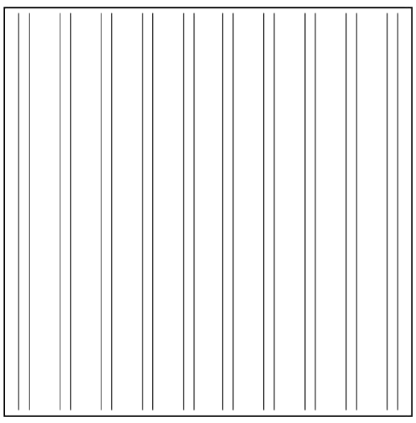
### Bee

H 120 cm W 120 cm
H 47.24″ W 47.24″



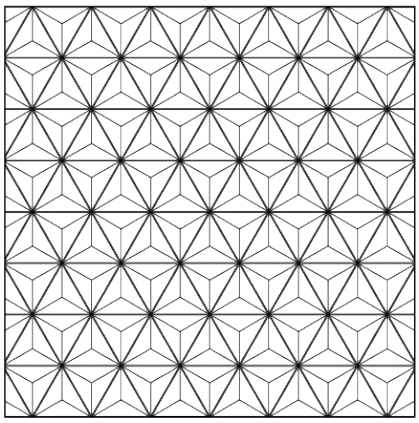
### Dune

H 120 cm W 120 cm
H 47.24″ W 47.24″



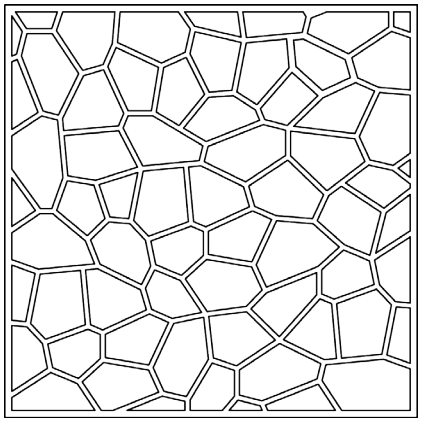
### Frost

H 120 cm W 120 cm
H 47.24″ W 47.24″



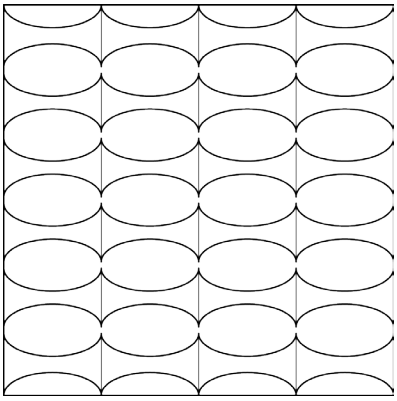
### Leaf

H 120 cm W 120 cm
H 47.24″ W 47.24″



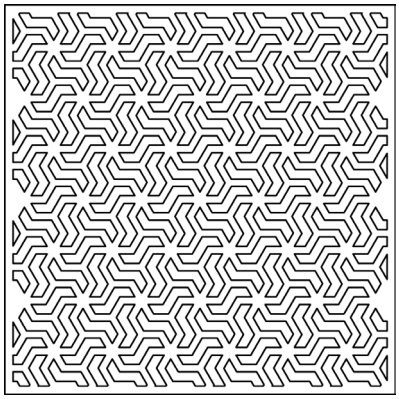
**Lips**

H 120 cm W 120 cm
H 47.24″ W 47.24″



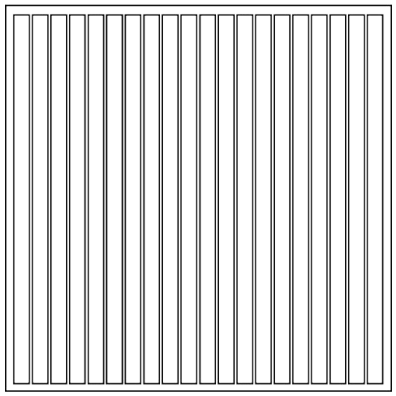
**Radial**

H 120 cm W 120 cm
H 47.24″ W 47.24″



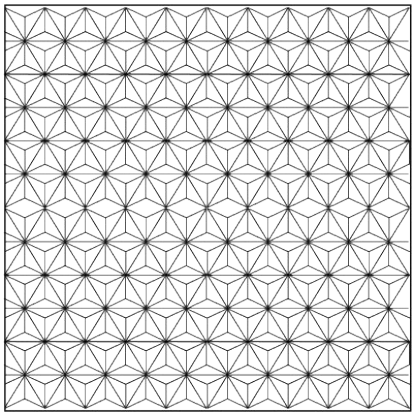
**Rib**

H 120 cm W 120 cm
H 47.24″ W 47.24″



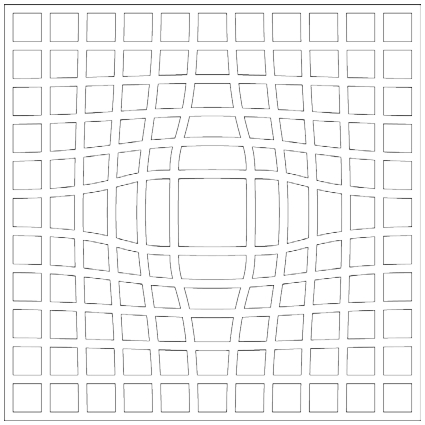
**Spike**

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″



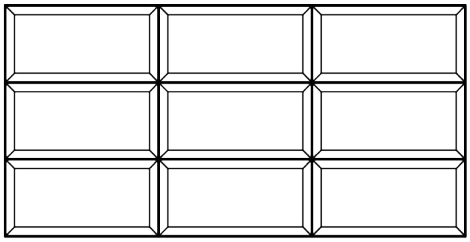
## BuzziTile Metro

**Flat**

H 40 cm W 80 cm
H 15.75″ W 31.50″

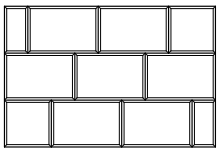
**3D Metro**

H 40 cm W 80 cm
H 15.75″ W 31.50″



## BuzziTile Stone

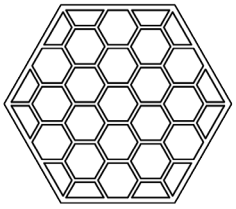
H 60 cm  W 90 cm
H 23.62″ W 35.43″



## BuzziTile Hexa

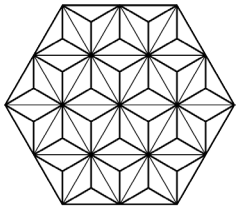
### Bee

H 60 cm  W 69,3 cm
H 23.62″ W 27.28″



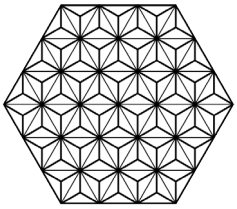
### Frost

H 60 cm  W 69,3 cm
H 23.62″ W 27.28″



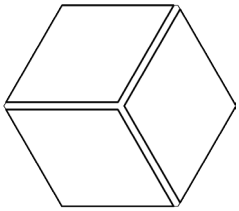
### Spike

H 60 cm  W 69,3 cm
H 23.62″ W 27.28″



### Why

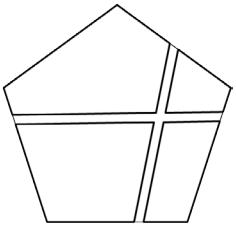
H 60 cm  W 69,3 cm
H 23.62″ W 27.28″



## BuzziTile Penta

### Kite

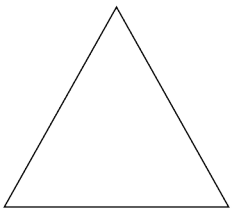
H 60 cm  W 63 cm
H 23.62″ W 24.80″



## BuzziTile Triangle L | XL

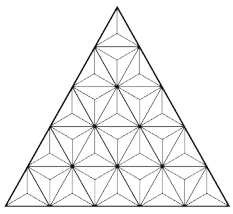
### Flat

W 60 cm  H 52 cm
W 23.62″ H 20.47″



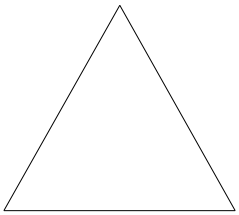
### Spike

W 60 cm  H 52 cm
W 23,62″ H 20.47″



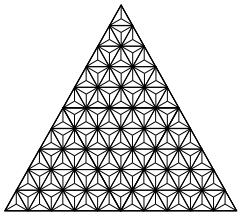
### Flat

W 120 cm H 104 cm
W 47.24  H 40.94″



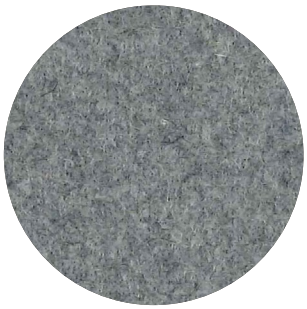
### Spike

W 120 cm H 104 cm
W 47.24  H 40.94″



# Fabrics

## Fabric

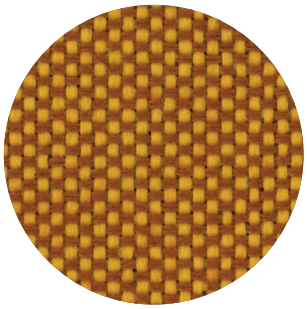


**Category** A
**Composition** 70% Recycled Wool, 25% Recycled Polyacryl, 5% Recycled Other Fabrics
**Weight** 405 g/m² | 11.94 oz/yd²
**Abrasion resistance** 40.000 Martindale, 50,000 Wyzenbeek
**Flammability** EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette). EN 1021.2/2006 | BS EN 1021.2/2006 (match)
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

## Rough

**Category** A
**Composition** 100% Polyacryl
**Weight** 456 g/m² | 13.45 oz/yd²
**Abrasion resistance** 40.000 Martindale
**Flammability** EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette)
USA: CAL TB TB 117
**Fastness to light** EU: 5
**Fastness to rubbing** EU: Wet: 3 | Dry: 3

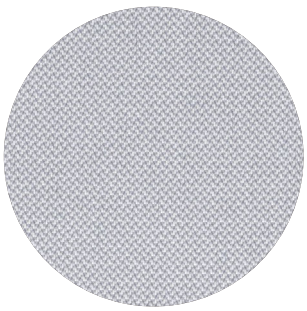
## Trevira CS+| CS



**Category** A
**Weight** 420 g/m² | 12.39 oz/yd²
**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

## Revive 1

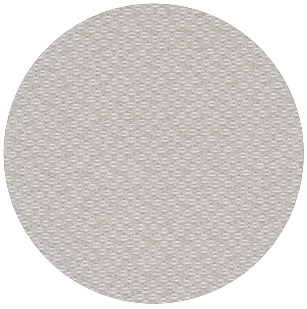
kvadrat



**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

## Revive 2

kvadrat



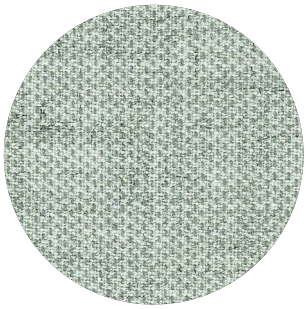
**Category** A
**Composition** 100% recycled polyester FR
**Weight** 420 g/lin.m
**Abrasion resistance** 45.000 Martindale rubs, EN ISO 12947
**Flammability** EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1
UNI 9175 1IM | US Cal. Tech. Bull. 117
IMO A.652 (16)
**Fastness to light** Note 5-7, ISO 105-B02
**Fastness to rubbing** (ISO) dry 5, wet 4-5
**Pilling** Note 4-5, EN ISO 12945

## Terra

**Category** B
**Composition** 100% Pure New Wool
**Weight** 370 g/m² | 10.91 oz/yd²
**Abrasion resistance** 40.000 Martindale, 25,000 Wyzenbeek
**Flammability** EU: BS5852 CRIB 5 | BS5867 PART 2 : 2008 : TYPE B
EN: 1021.2/2006 | USA: CAL TB 117
**Fastness to light** EU 5 | USA 5
**Fastness to rubbing** EU: Wet 4 | Dry 4
**Fastness to crocking** USA: Wet 4 | Dry 4

## Clara 2

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

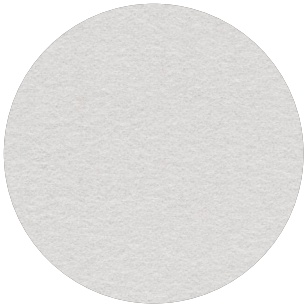
## Remix 2

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

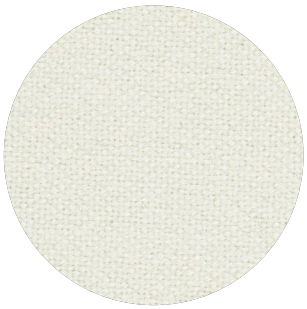
kvadrat



**Category** C
**Composition** 96% new wool, 4% 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

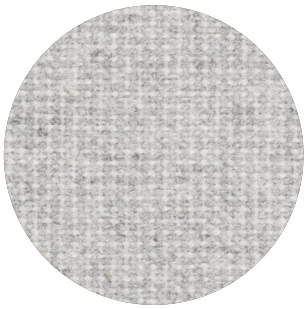
kvadrat



**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 1IM
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

## Tonus Meadow

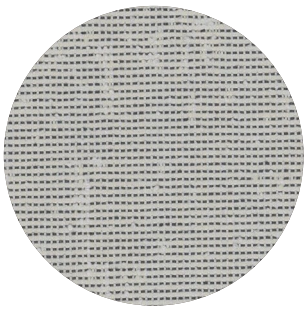
kvadrat



**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 1IM
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 4-5, wet 4
**Pilling** Note 3, EN ISO 12945

## Memory 2

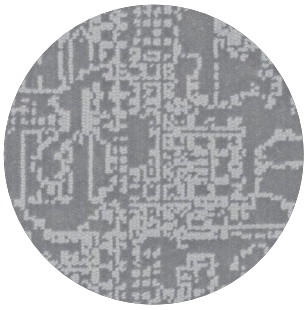
kvadrat



**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 1IM
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

# Matrix

kvadrat

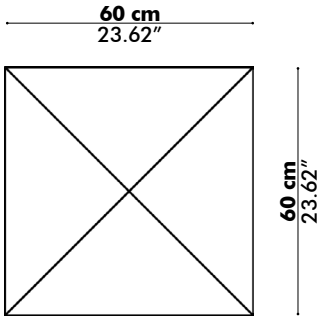


**Category** F
**Composition** 100% Trevira CS
**Weight** 760 g/lin.m
**Abrasion resistance**
App. 60.000 rubs acc. to the Martindale method, EN ISO 12947
**Flammability** EN 1021-1/2 | BS 5852 crib 5 | BS 5867 part 2 type B
DIN 4102 B1 | Önorm B1/Q1 | NF D 60 013
UNI 9175 1IM | US Cal. Tech. Bull. 117 | NFPA 701
IMO A.652 (16)
**Fastness to light** Note 5-7, ISO 105-B02
**Fastness to rubbing** (ISO) dry 4-5, wet 4-5
**Pilling** Note 4, EN ISO 12945

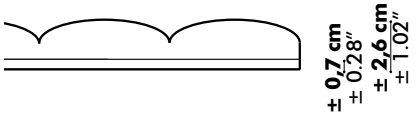
# Dimensions

## BuzziTile L

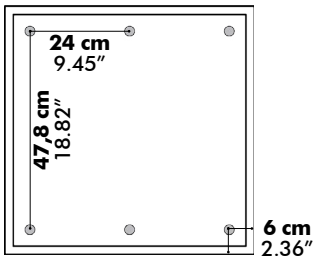
### Front



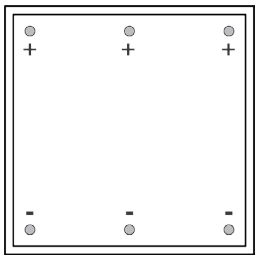

### Thickness



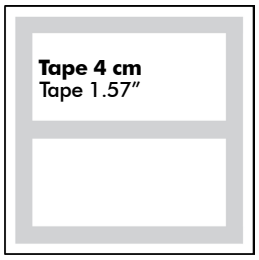

### Back with powermagnets




### Positive | negative magnet location

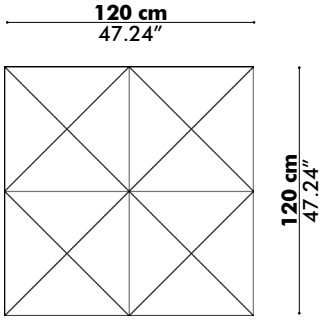


### Back with self adhesive tape

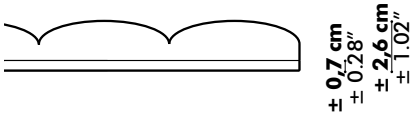



## BuzziTile XL

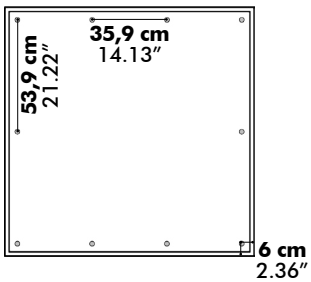
### Front



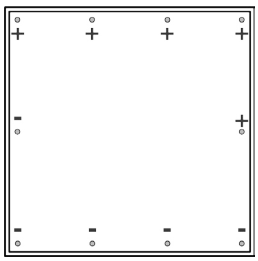

### Thickness



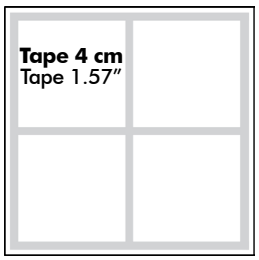

### Back with powermagnets




### Positive | negative magnet location

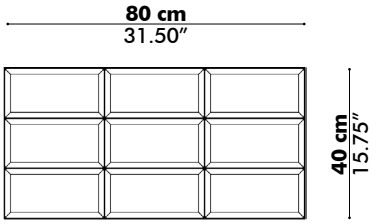


### Back with self adhesive tape

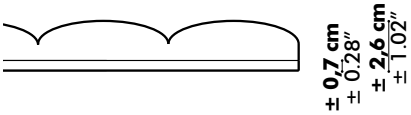


# BuzziTile Metro

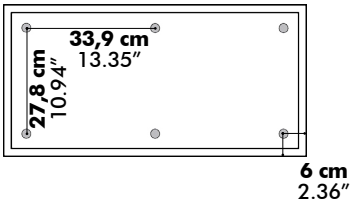
**Front**



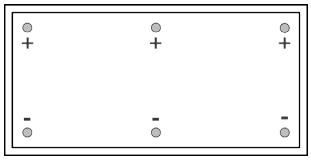

**Thickness**



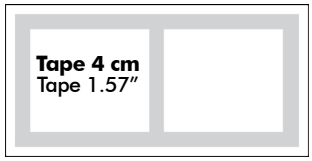

**Back with powermagnets**




**Positive | negative magnet location**

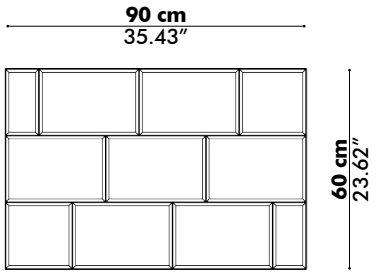



**Back with self adhesive tape**

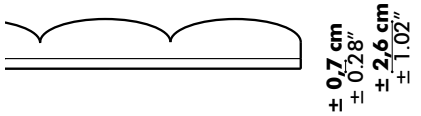



# BuzziTile Metro

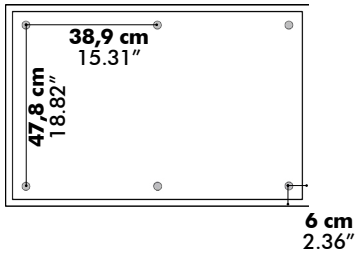
**Front**



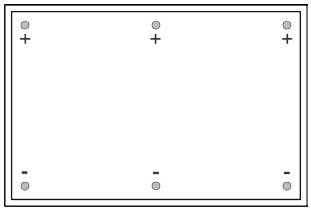

**Thickness**



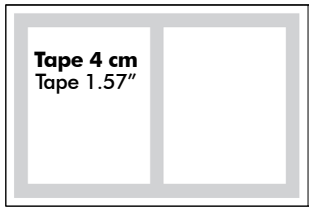

**Back with powermagnets**




**Positive | negative magnet location**

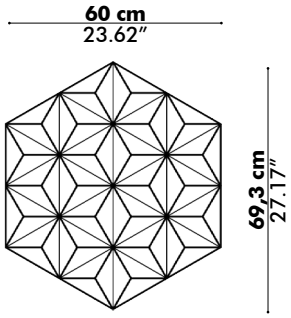



**Back with self adhesive tape**

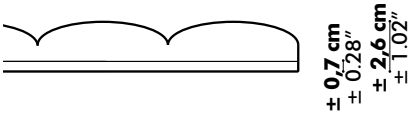


## BuzziTile Hexa

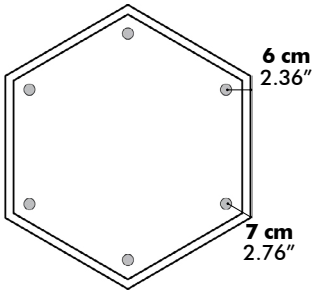
**Front**



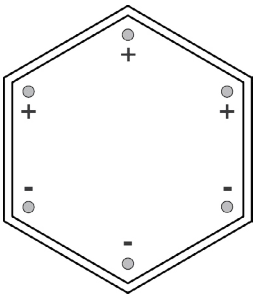

**Thickness**




**Back with powermagnets**



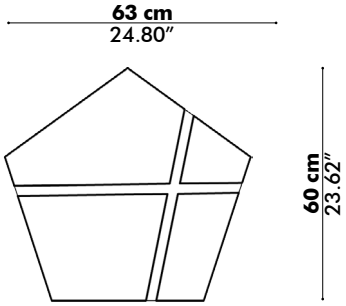

**Positive negative magnet location**



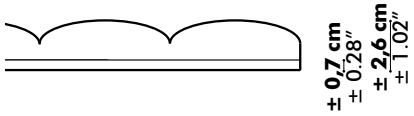

**Back with self adhesive tape**

## BuzziTile Penta

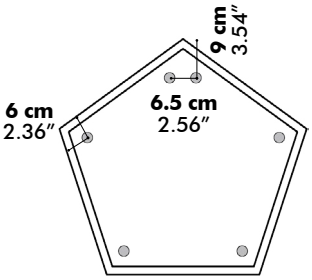
**Front**



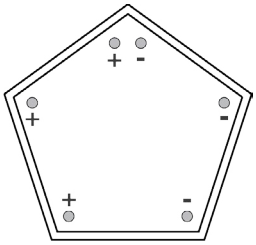

**Thickness**



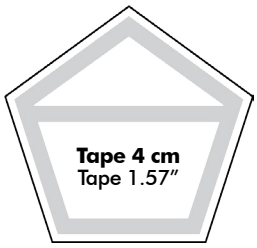

**Back with powermagnets**




**Positive negative magnet location**

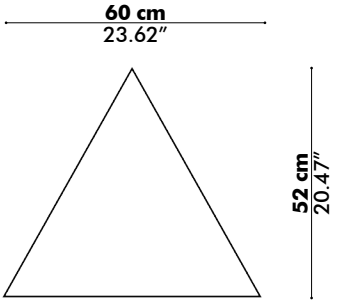



**Back with self adhesive tape**

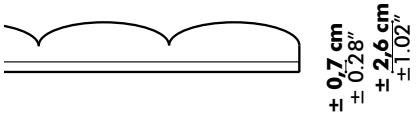


# BuzziTile Triangle L

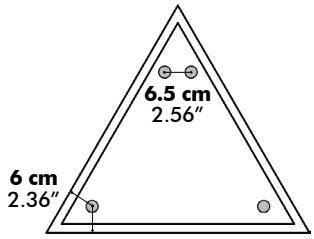
**Front**



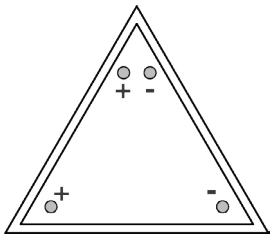

**Thickness**



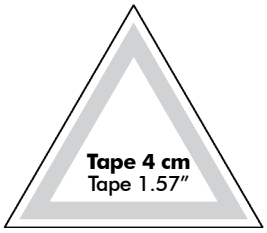

**Back with powermagnets**




**Positive negative magnet location**

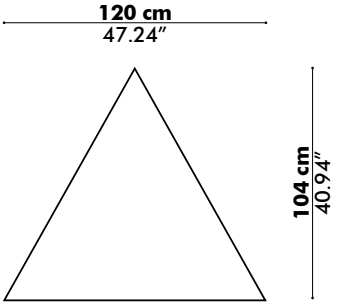



**Back with self adhesive tape**

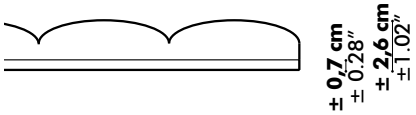



# BuzziTile Triangle XL

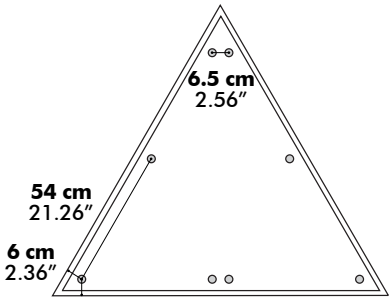
**Front**



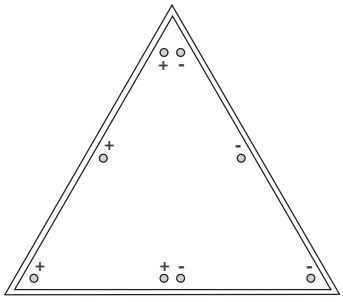

**Thickness**



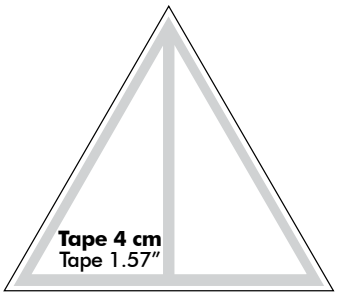

**Back with powermagnets**




**Positive negative magnet location**



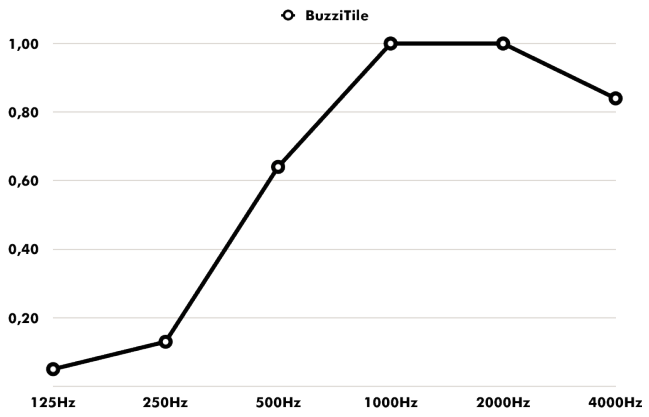

**Back with self adhesive tape**



# Acoustics

## BuzziTile

### Absorption coefficient




| Hz | $\alpha^s$ |
|---|---|
| 125 | 0.05 |
| 250 | 0.13 |
| 500 | 0.64 |
| 1000 | 1.00 |
| 2000 | 1.00 |
| 4000 | 0.84 |

### Absorption values

| | |
|---|---|
| $\alpha_w$ (ISO 11654) | **0.61** |
| NRC (ASTM - C423) | **0.70** |
| SAA (ASTM-C423) | **0.67** |
| Class (ISO 11654) | **C** |

## Glossary

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

### Definitions

| | | |
|---|---|---|
| **α** | Weighted absorption coefficient | (ISO 11654) |
| **NRC** | Noise reduction coefficient | (ASTM - C423) |
| **SAA** | Sound absorption average | (ASTM - C423) |

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

| | |
|---|---|
| **A** | 0.90 \| 0.95 \| 1.0 |
| **B** | 0.80 \| 0.85 |
| **C** | 0.60 \| 0.65 \| 0.70 \| 0.75 |
| **D** | 0.03 \| 0.55 |
| **E** | 0.15 \| 0.25 |