# BuzziPleat
## Product Specification Sheet

This document contains technical information about the BuzziPleat

BUZZI SPACE

www.buzzi.space

**A series of architectural solutions by 13&9 Design**
The BuzziPleat reinterprets ancient techniques used in fashion design, like smocking and pleating, to create large-scale, yet lightweight sculptural forms, made of sound-absorbing BuzziFelt.
Architectural folds maximize surface area, delivering exceptional acoustic performance.

Design by 13&9 Design

## General

BuzziPleat Edel | BuzziPleat Ripple
Fixing: Wall | Suspended

BuzziFelt Pleat
OffWhite or Black lace
Metal support black

Fixation: wall mounted | ceiling suspended
Black or Alu cables 2 - 5 m | 78.74" - 196.85"
Optional extra layer BuzziFabric

## Acoustics

Absorption

Diffusion

Low tone

Mid tone

High tone

## Certifications

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# Configurations

## BuzziPleat Ripple Suspended

M, L

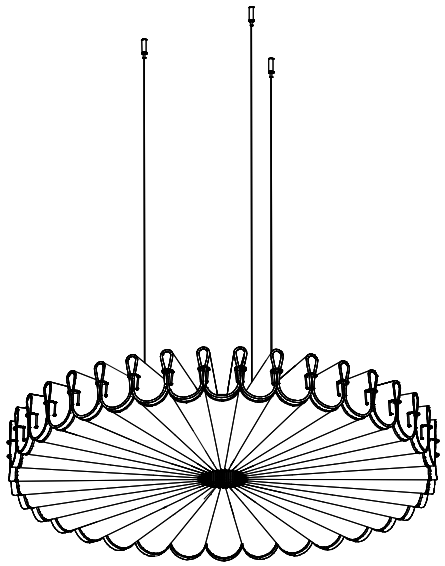
BuzziFelt Pleat
OffWhite or Black lace
Metal Support Black

M: Ø 100 cm H 13 cm
Ø 39.37" H 5.21"
L: Ø 150 cm H 19,5 cm
Ø 59.06" H 7.68"

M: 5,2 kg | 11.46 lbs
L: 10,9 kg | 24.03 lbs

Lace: OffWhite or Black
Optional extra layer BuzziFabric (only in combination with OffWhite or Anthracite Felt)
Black or Alu cables 2 - 5 m | 78.74" - 196.85"

If installing on suspended ceiling, verify load capacity prior to installation.



## BuzziPleat Edel Suspended

M, L

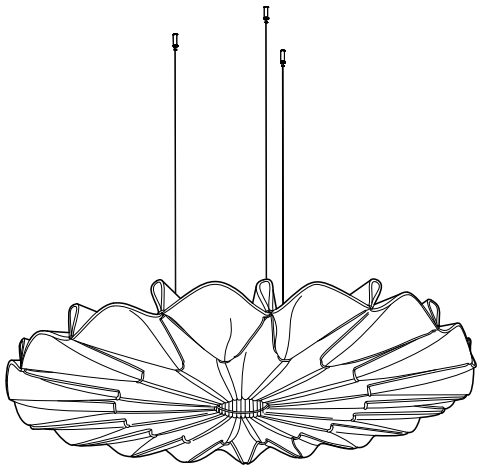
BuzziFelt Pleat
OffWhite or Black lace
Metal support black

M: Ø 100 cm H 9 cm
Ø 39.37" H 3.54"
L: Ø 150 cm H 13,5 cm
Ø 59.06" H 5.31"

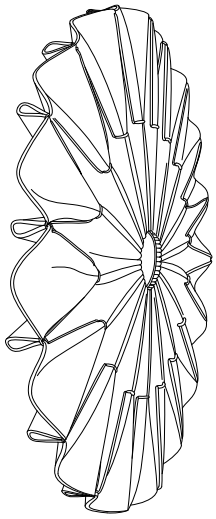
M: 4,2 kg | 9.26 lbs
L: 8,9 kg | 17.62 lbs

Lace: OffWhite or Black
Optional extra layer BuzziFabric (only in combination with OffWhite or Anthracite Felt)
Black or Alu cables 2 - 5 m | 78.74" - 196.85"

If installing on suspended ceiling, verify load capacity prior to installation.



## BuzziPleat Edel Wall Mounted



M, L

BuzziFelt Pleat
OffWhite or Black lace
Metal support black
Central Wooden Support in Ash White Wash or
Ash Black Stained

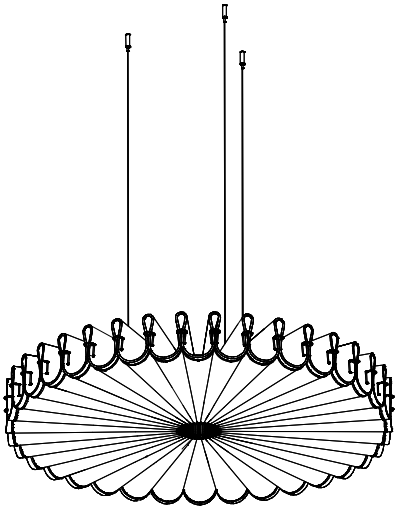
M: Ø 100 cm H 9 cm
Ø 39.37" H 3.54"
L: Ø 150 cm H 13.5 cm
Ø 59.06" H 5.31"

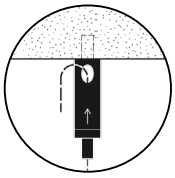
M: 4,7 kg | 10.36 lbs
L: 9,4 kg | 20.72 lbs

Lace: OffWhite or Black
Optional extra layer BuzziFabric (only in combination with OffWhite or Anthracite Felt)

# Fixing Systems

## Fixing System Ceiling Suspended



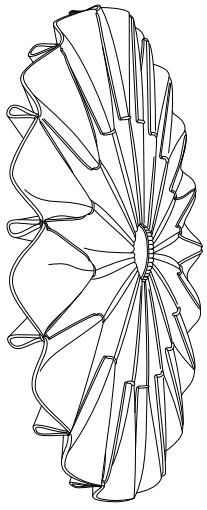


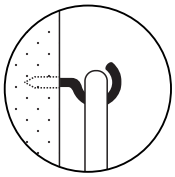
**Fixing System Screw**

- Black metal support
- 3 cables of 2 - 5 m | 78.74" - 196.85"
- Black or aluminium colored cables

Formations, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where detection or suppression systems are present.

## Fixing System Wall





**Fixing Sytem Wall**

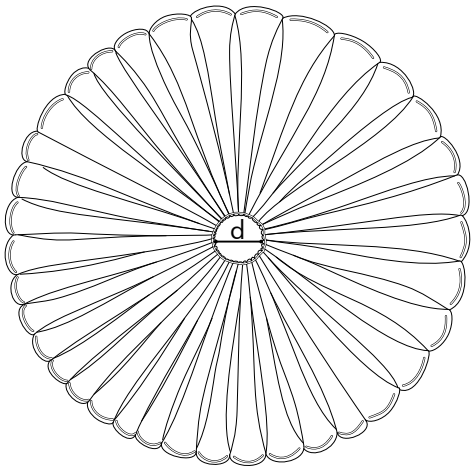
Only Edel available for Wall Mounting!

- Black metal support
- Wooden center in Ash Black Stained in combination with Black lace or Ash White Wash in combination with an OffWhite lace
- Excl. mounting hook

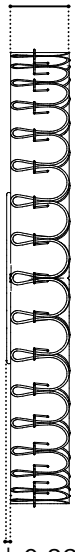
# Dimensions

## BuzziPleat Ripple

**M** Ø 100 cm | 39.37″
**L** Ø 150 cm | 59.06″
**d** Ø 10 ~ 12 cm | 3.94 ″ ~ 4.72″

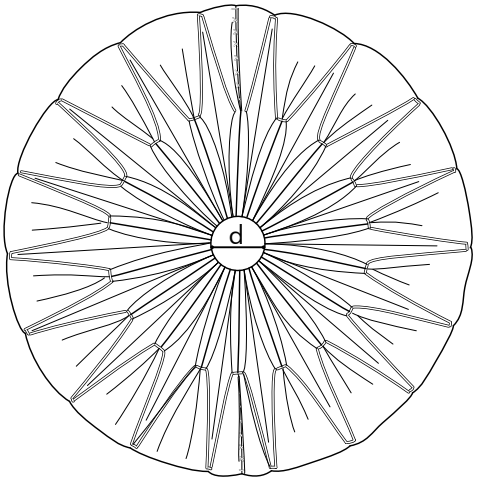



**M** 13 cm | 5.21″
**L** 19,5 cm | 7.68″

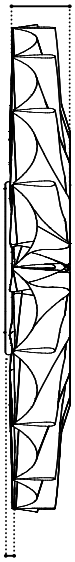



## BuzziPleat Edel

**M** Ø 100 cm | 39.37″
**L** Ø 150 cm | 59.06″
**d** Ø 10 ~ 12 cm | 3.94 ″ ~ 4.72″″




**M** 9 cm | 3.54″
**L** 13,5 cm | 5.31″

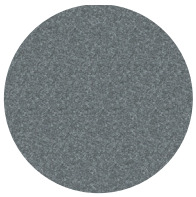


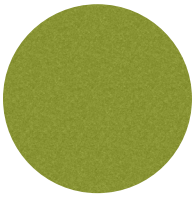
# Fabrics

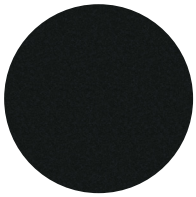
## Felt

**Composition** 100% Recycled P.E.T. Felt, latex backing
**Weight** 1.000 g/m2 | 29.49 oz/yd2
**Abrasion resistance** >7.000 Martindale
**Flammability** EU: EN 13501.1 + A1/2009 Class B-s1,d0
USA: ASTM E84 Class A certified
**Fastness to light** USA 5

FE-OffWhite 63*

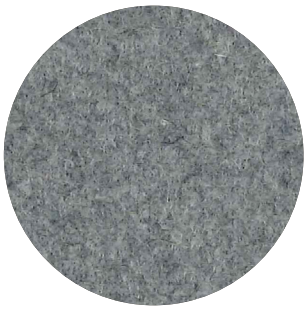

FE-StoneGrey 67


FE-Lime 64


FE-Anthracite 68*

*Extra layer BuzziFabric Possible

## 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

# Finishes

## Wood

Ash Black Stained

Ash White Wash

## Fabric

FA-LightGrey
1000

**Composition** 75% Recycled Wool, 25% Recycled Polyacryl,
**Weight** 405 g/m² | 11.94 oz/yd²
**Width** 148 cm | 58.27″
**Thickness** 0,8 mm | 0.031 inch
**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
**Maintenance** Vacuum clean regularly. Don't wash. Don't remove the Fabric from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.

FA-Kiezel 7
FA-Ivory 101
FA-Naturel 1
FA-Beige 1037
FA-Dolphin 180
FA-Shitake 124
FA-DarkBrown 18
FA-Rust 29
FA-Taupe 1008
FA-Mint 50
FA-Azure 144
FA-Olive 53
FA-Army 14
FA-Zwart 1003
FA-MidGrey 1001
FA-Blue 45
FA-Petrol 56
FA-Purple 78
FA-Aubergine 74
FA-Prune 76
FA-Fuchsia 77
FA-Violet 72
FA-Navy 1007
FA-Indigo 90
FA-LightBlue 41
FA-Aqua 143
FA-OceanBlue 147
FA-Pistache 52
FA-Yellow 24
FA-Red 2011
FA-Fire 139
FA-Mandarin 129
FA-Orange 2012
FA-Pink 73
FA-Bottle 61
FA-Grass 59
FA-Lila 39
FA-Camel 56
FA-Electric 16
FA-Jade 42
FA-Autumn 33
FA-Mustard 63
FA-Silver 57

# CAT A

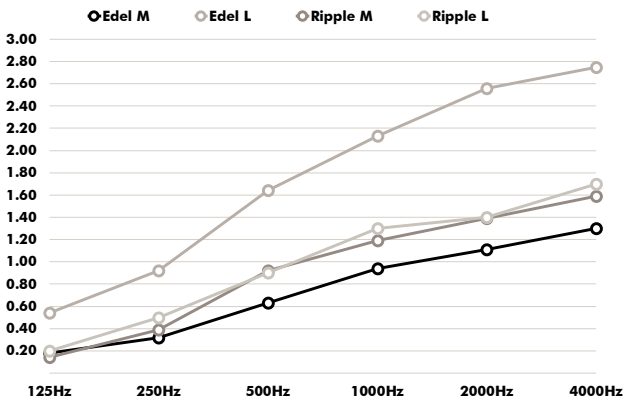
FABRIC
TREVIRA CS⁺
TREVIRA CS
REVIVE 1

**Note** color deviation may occur. Find the latest update of the material specifications and colors on our website: www.buzzi.space

# Acoustics

## BuzziPleat Ceiling

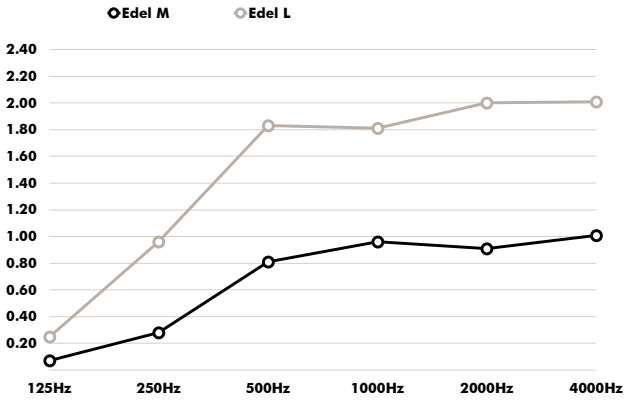
**Equivalent sound absorption area in m² per object**




| Hz | Edel M Aeq/m² | Edel L Aeq/m² | Ripple M Aeq/m² | Ripple L Aeq/m² |
|---|---|---|---|---|
| 125 | 0.18 | 0.54 | 0.14 | 0.20 |
| 250 | 0.32 | 0.92 | 0.39 | 0.50 |
| 500 | 0.63 | 1.64 | 0.92 | 0.90 |
| 1000 | 0.94 | 2.13 | 1.19 | 1.30 |
| 2000 | 1.11 | 2.56 | 1.39 | 1.40 |
| 4000 | 1.30 | 2.75 | 1.59 | 1.70 |

## BuzziPleat Wall

**Equivalent sound absorption area in m² per object**




| Hz | Edel M Aeq/m² | Edel L Aeq/m² |
|---|---|---|
| 125 | 0.07 | 0.25 |
| 250 | 0.28 | 0.96 |
| 500 | 0.81 | 1.83 |
| 1000 | 0.96 | 1.81 |
| 2000 | 0.91 | 2.00 |
| 4000 | 1.01 | 2.01 |