

BUXKIN[®]

/ Creative use of sustainable materials

BUXKIN original

Product Guide

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MATERIAL OPTIONS

BUXKIN original products are available in a range of sustainably sourced materials each with unique qualities. Budget price ranges for the most popular configurations shown below. Minimum order quantity is 6 linear meters.

RECYCLED LEATHER made from reconstituted offcuts from the Italian shoe industry. Organic and tactile. 60% leather and 40% natural latex by weight.

£129 - £189/sqm - roll width 1.45 m



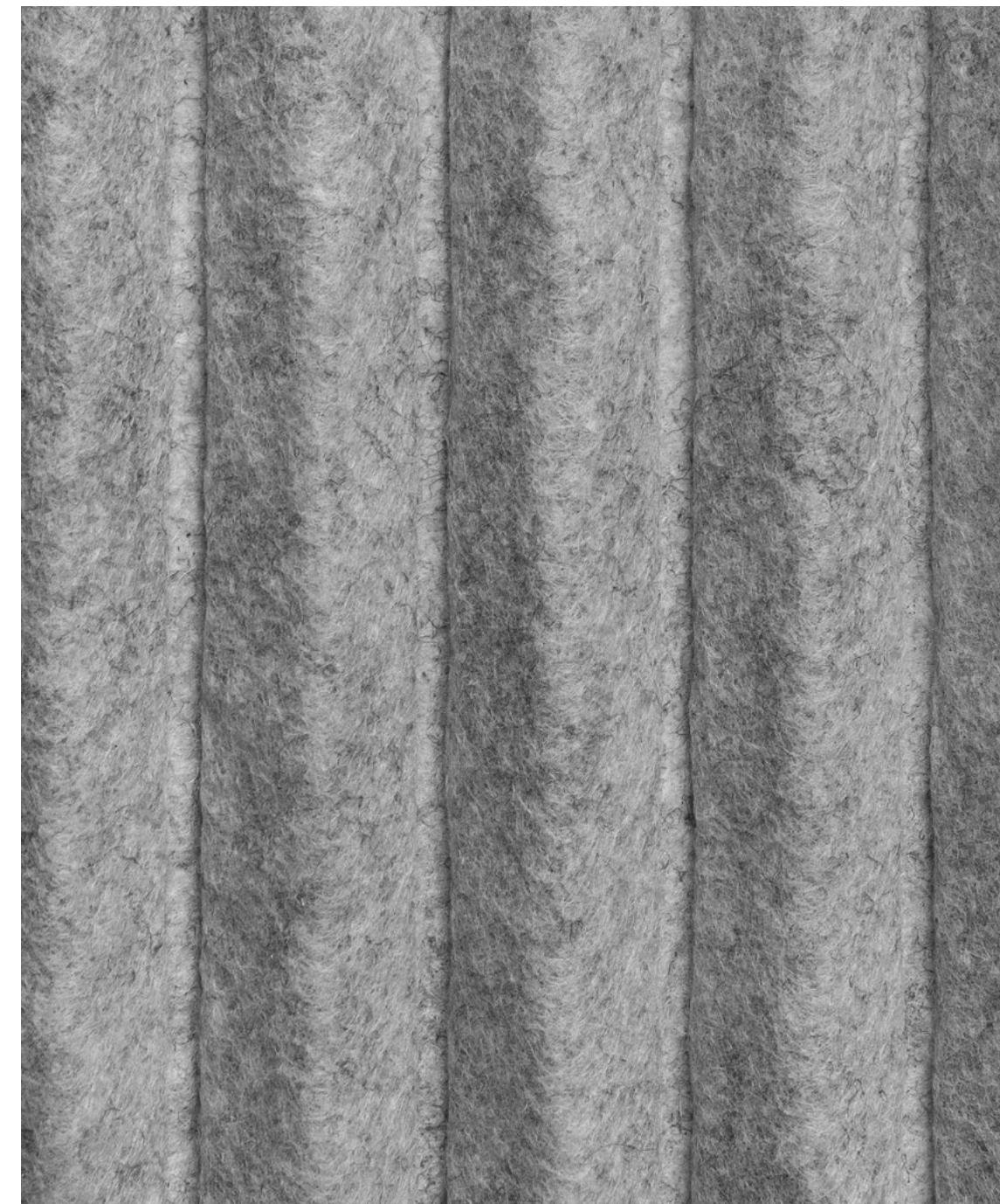
WOOL FELT is 100% Marino wool. An ancient material reimagined. Has the widest colour range of all our materials.

£159 - £299/sqm - roll width 1.8 m



SYNTHETIC FELT is a synthetic Polyester tested to Euroclass B1 and the American ASTM: Class A. Recycleable. Fully recyclable and comes in our widest roll width.

£149 - £189/sqm - roll width 2.0 m



RECYCLED FELT utilises waste from the automotive industry comprising 60% recycled textiles and 40% new PES fibres.

£129 - £169/sqm - roll width 1.8 m



Colour Charts for each material can be found later in this document.

01 LEATHER

A tactile and sustainable wall or panel covering comprising a top layer of recycled leather which is mechanically ribbed and bonded to a natural jute backing layer.

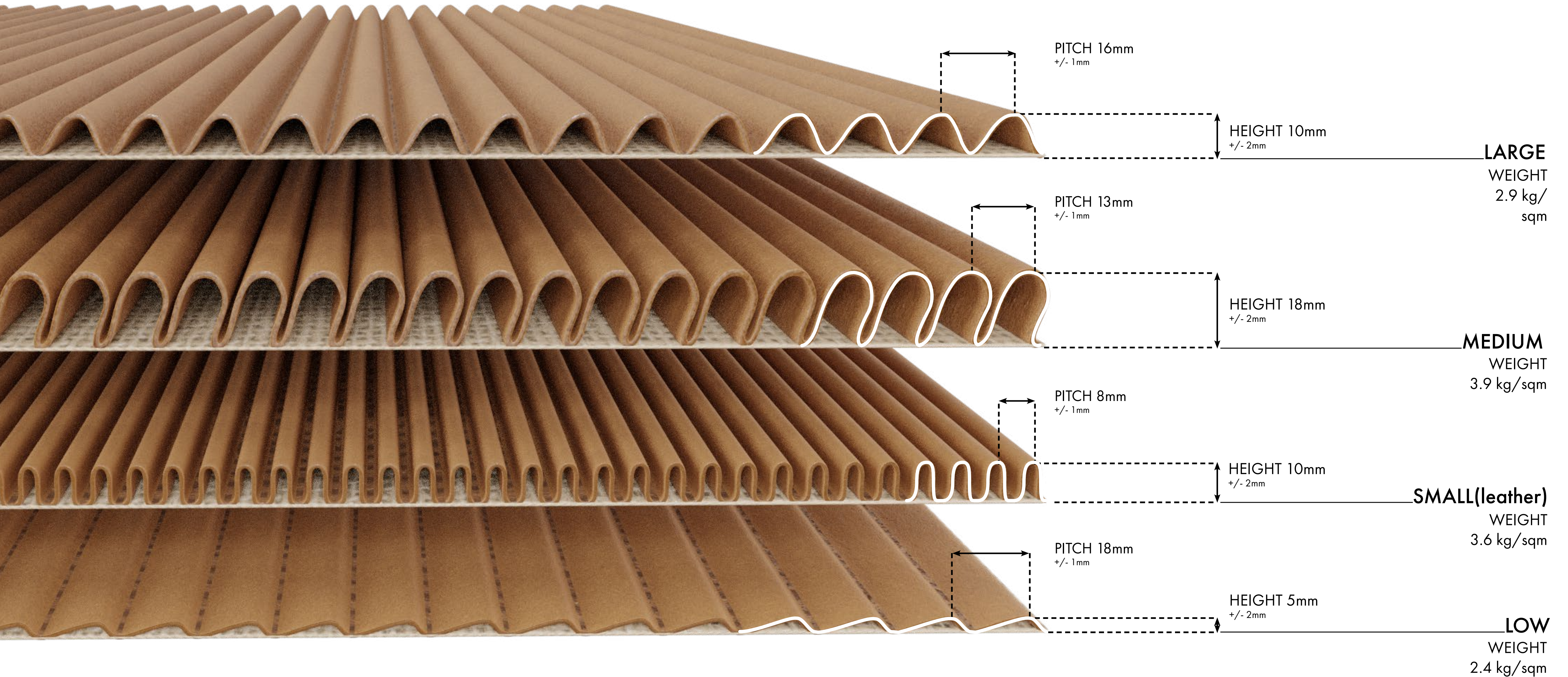
The roll width is 1.45 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Leather thickness is 1.3 mm and jute is 1 mm.

All production is made to order with lead-times up to 10 weeks.



RIB SIZES: LEATHER

The Original range comes on natural jute backing. Roll width is 145cms for leather.



MATERIAL SPECIFICATIONS: LEATHER

A tactile and sustainable wall or panel covering comprising a top layer of recycled leather which is mechanically ribbed and bonded to a jute backing layer.

Composition:

Top layer: 60% recycled leather combined with natural rubber and water in 1.3 mm thickness.

Base layer: Natural woven jute textile provides a stable backing in 1 mm thickness.

Adhesive: Natural latex adhesive holds the ribbed structure in place.

Colourfastness: EN ISO 105-B02: class 5-6.

Shade differences may occur between production batches due to the recycled nature of the material.

Light reflectance values:

Material: recycled leather	L* values (measured)	LRV values (calculated)
Finish: Deep Black	27-31	5-7
Finish: Caramel	46-56	15-24
Finish: Olive	54-63	22-32
Finish: Siena/Black/Nature	63-72	31-44

Sustainability:

Produced to the OEKO-TEX® leather standard meaning it contains no VOCs or harmful chemicals. The leather can be recycled again at the end of its life.

BUXKIN leather has been tested under the following criteria as part of a BREEAM assessment.

EN 12149 – Test A – Heavy metals in wallcoverings*

EN 12149 – Test B – Vinyl chloride in wall coverings – below detectable limits

EN 12149 – Test C – Formaldehyde in wall coverings - below detectable limits

*Chromium measurement falls just outside allowable limits in this test. Chromium is used in various leather dyes and is a variable in the recycled content of this material. A special production is possible with zero Chromium for an MOQ of 500 sqm.

Acoustic properties:

Without additional backing the medium rib reaches Class E (25% noise reduction). This may be improved with the addition acoustic foam behind the installation.

For acoustic-led design, please consider our felt-based materials.

Rating:

For applications requiring compliance to Class 1 (BS 476: Part 7) or Class 0 (BS 476: Part 6) the material can be treated with Duraflam® flame retardant by our specialist partners who’s inhouse testing indicates compliance with the above standards.

After Care & Maintenance:

Uncoated leather* is vulnerable to stains and marks. General dust and debris can be removed with a duster or dry cloth. Light marks can be removed through light sanding with 240 grit or higher sandpaper.

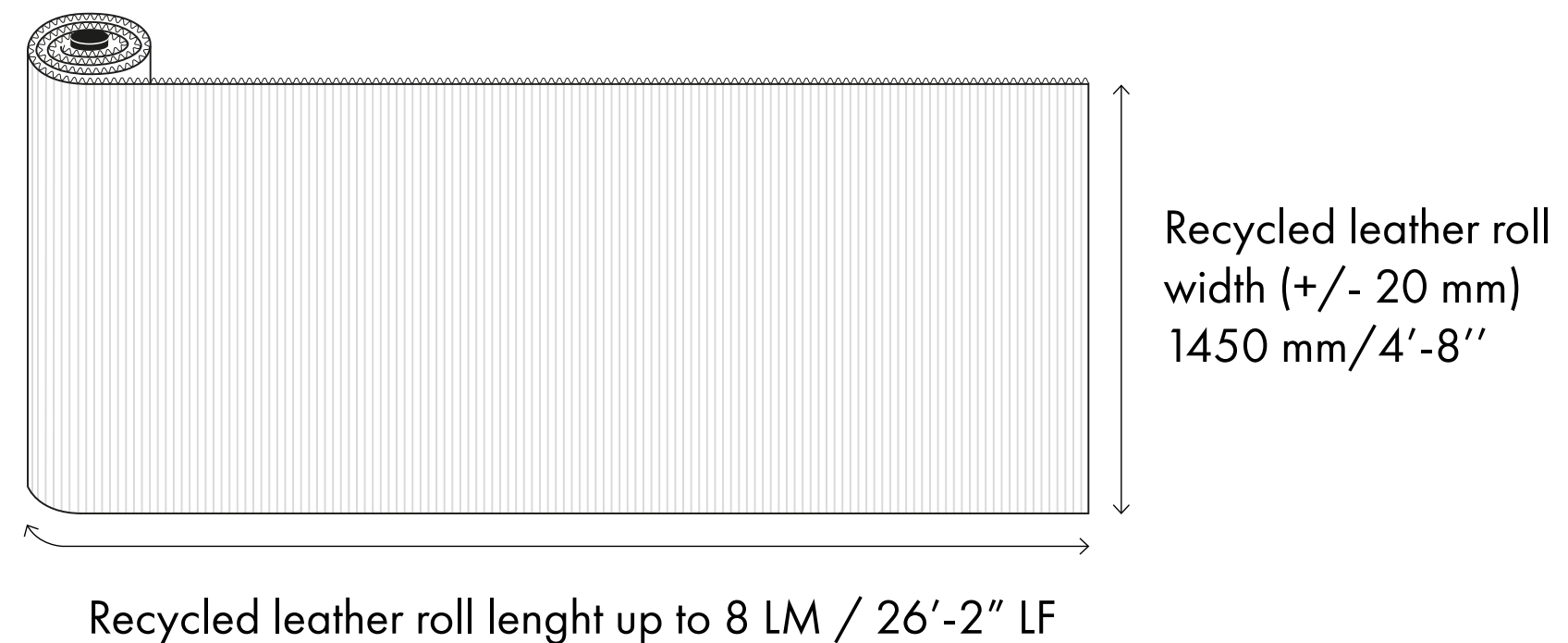
*Natural/Siena/Black

Clear coated leather* is water resistant and resists marking. Dry dust and debris should be removed with a duster or dry cloth. A damp cloth with soap can be used on heavier marks but care must be taken not to wet any cut ends as this may stain behind the coating.

*Olive/Caramel/Deep Black/PU Coated.

At the end of life, the leather can be pulled away from the backing. The jute backing is biodegradable, and the leather can be recycled again.

For installation considerations please see our [Installation Guide at Buxkin.com/downloads](https://www.buxkin.com/downloads). Documents available at info@buxkin.com.

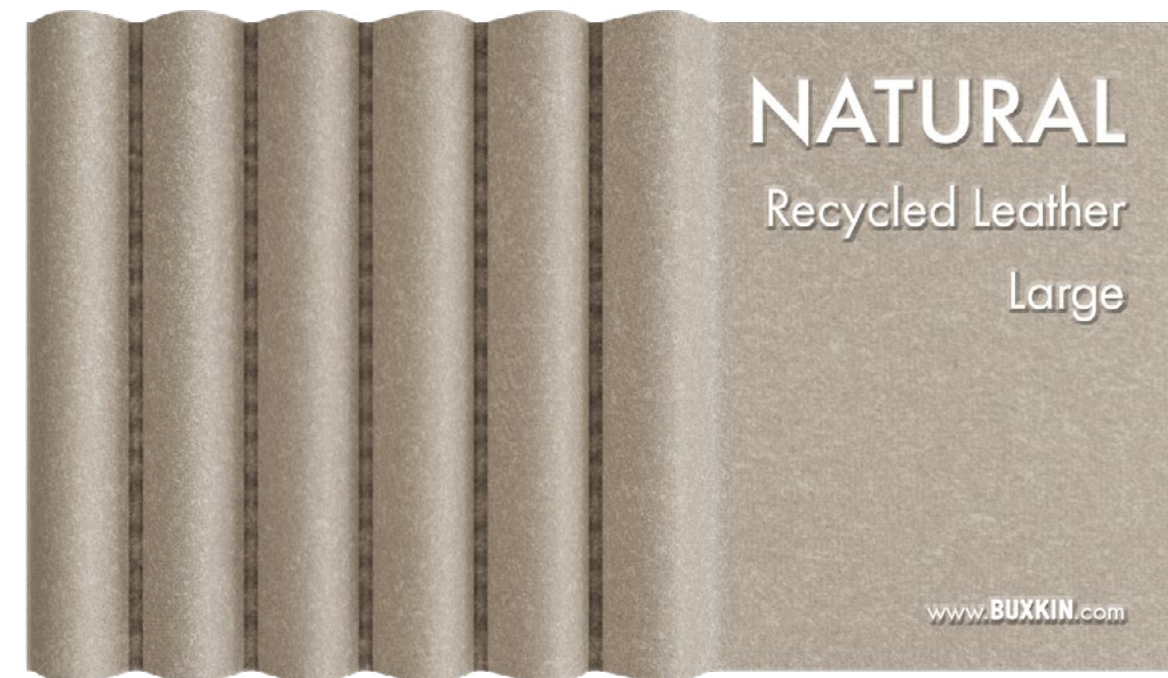


Please note **Minimum Order Quantity for PU Coated leather is as follows:**
RIB SIZE:
LOW - 80lm
LARGE - 60lm
SMALL - 30lm
MEDIUM - 30lm

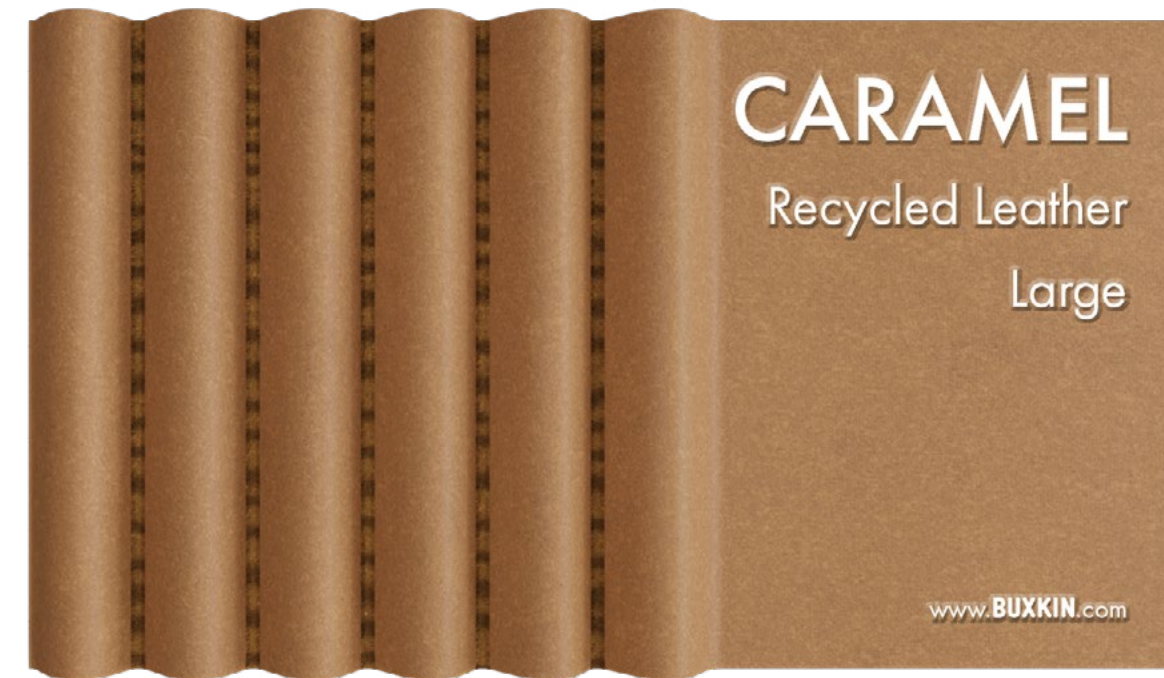
The roll length is to the customer’s requirements, with a maximum roll length of approximately 8 linear meters. **Ribs run vertically along the roll.**

COLOURS: LEATHER

Uncoated organic and tactile with a soft super-matte finish.



Clear coated deep colours with a wipeable satin finish.



PU Coated* - any RAL colour



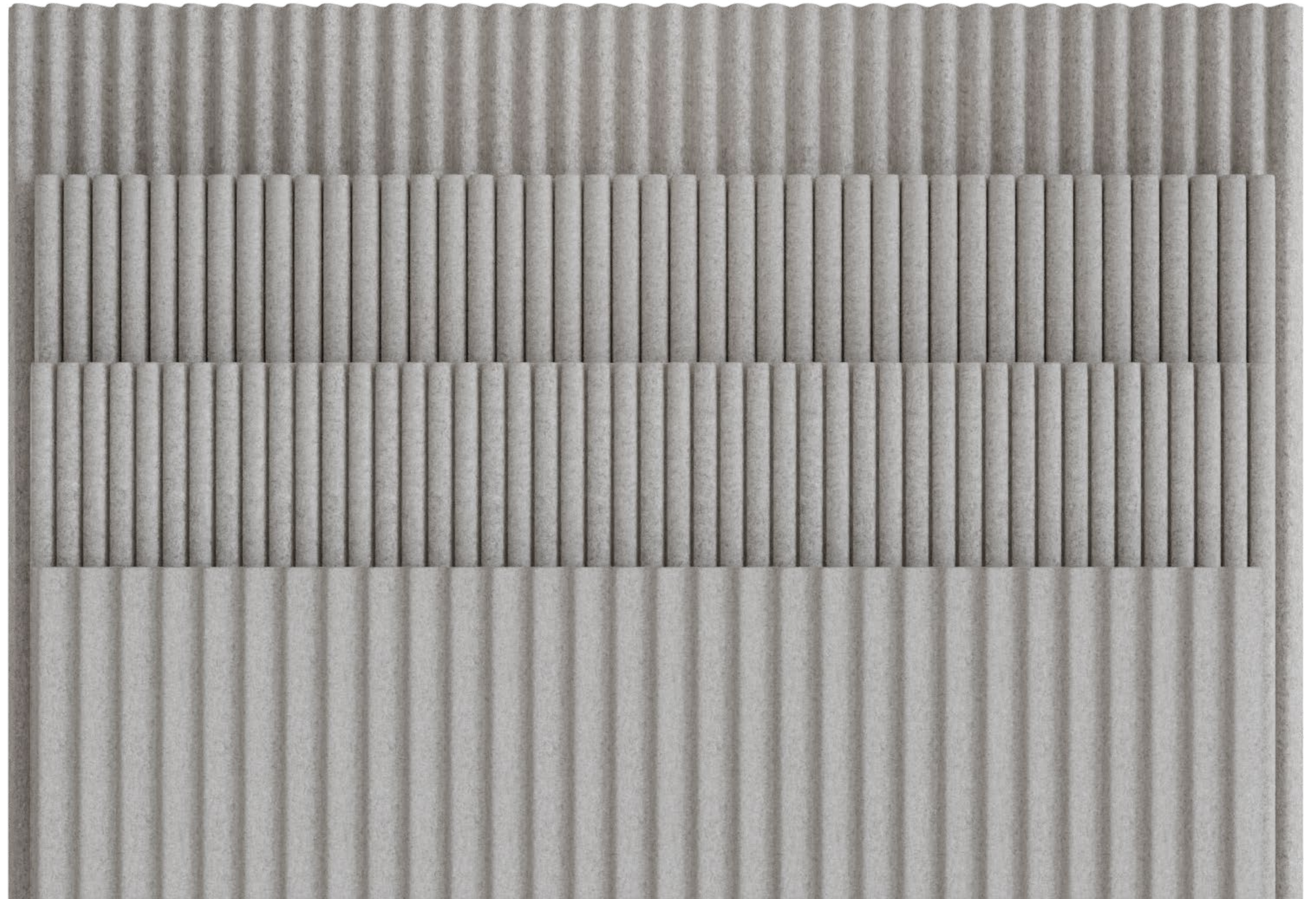
* Minimum order 70 sqm dependin on a rib size.

02 WOOL FELT

A tactile and sustainable wall or panel covering comprising a top layer of 100% Merino or Karakul wool which is mechanically ribbed and bonded to a jute backing layer.

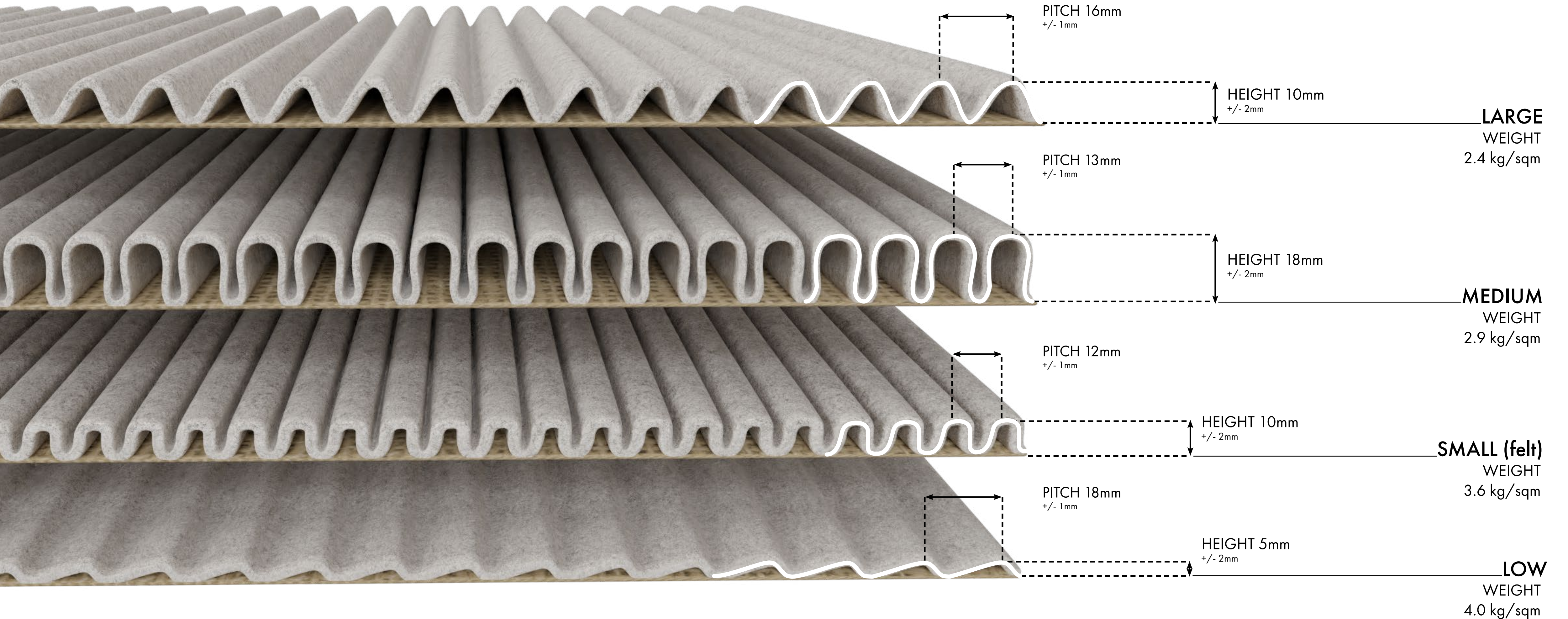
The roll width is 1.8 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Felt thickness is 3 mm and jute is 1 mm.

All production is made to order with lead-times up to 10 weeks.



RIB SIZES: WOOL FELT

The original range comes on natural jute backing. Roll width is 180 cms for wool felt.



MATERIAL SPECIFICATIONS: WOOL FELT

A tactile and sustainable wall or panel covering comprising a top layer of 100% Merino or Karakul wool which is mechanically ribbed and bonded to a jute backing layer.

Composition:

Top Layer: 100% Merino or Karakul Wool mechanically felted without binding agents in 3mm thickness.

Base Layer: Natural woven jute textile provides a stable backing in 1 mm thickness.

Adhesive: Natural latex adhesive holds the ribbed structure in place.

Performance:

Colourfastness to light: Class 4-5

Colourfastness to crocking: Class 3-4 (Wet), Class 4-5 (dry)

Durability (Martindale Abrasion Test Method): 5,000 Grade 4, 20,000 = Grade 3.5, 40,000 = Grade 3

Fabrics will show shade differences between production batches, and this effect is greater for recycled materials.

Sustainability:

BUXKIN wool felt is 100% biodegradable, contains no formaldehyde and is free from VOC's. Can contribute to BREEAM & LEED credits. Wool felt is produced to the OEKO-TEX Standard 100, Certified Product Class II.

Acoustic properties:

Without backing the ribbed felt achieves an NRC in the region of 30%, increasing to up to 90% with 30mm of additional backing.

Fire Rating:

For applications requiring compliance to Class 1 (BS 476: Part 7) or Class 0 (BS 476: Part 6) the material can be treated with Duraflam® flame retardant by our specialist partners who's inhouse testing indicates compliance with the above standards.

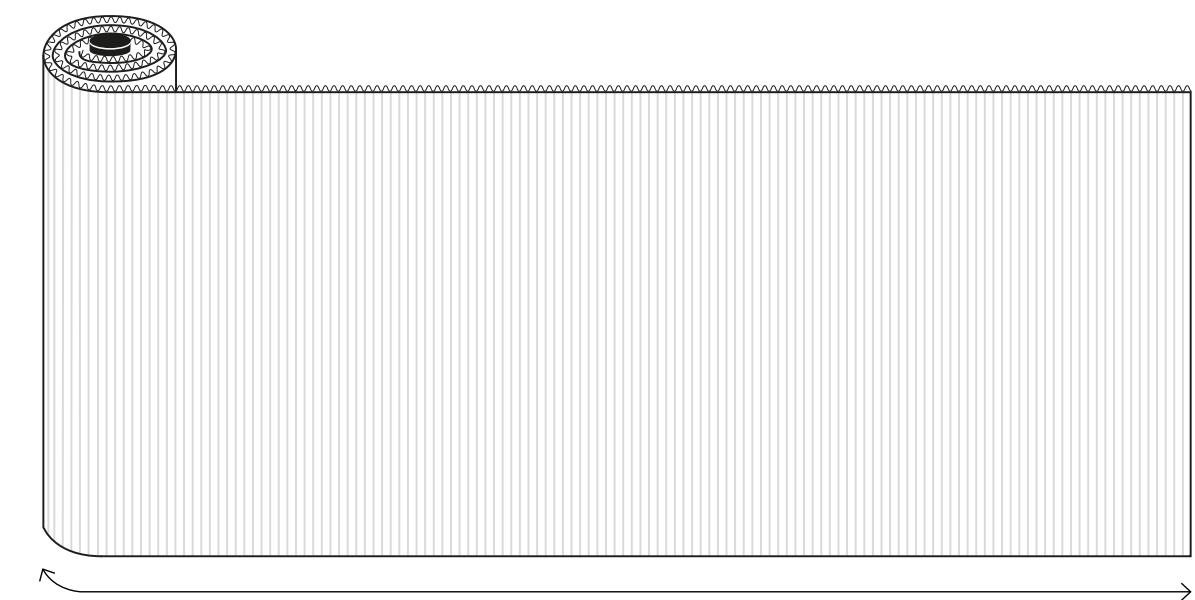
After Care & Maintenance:

Wool felt is highly resistant to staining and marks. Vacuum occasionally with a brush fitting to remove air-borne debris. Should soiling occur, spot clean with mild soap and warm water. Avoid aggressive rubbing as this can change the surface appearance.

For installation considerations please see our [Installation Guide at Buxkin.com/downloads](https://www.buxkin.com/downloads). Documents available at info@buxkin.com.

At the end of life, the felt can be pulled away from the backing. The jute backing is biodegradable, and the felt can be recycled and felted again.

Material: synthetic felt	LRV values (calculated)	Material: synthetic felt	LRV values (calculated)	Material: synthetic felt	LRV values (calculated)
001 White	86	844 Moss	6	902 Bordeaux	4
011 Raw White	65.40	317 Kiwi	32	734 Aubergine	2.50
051 Mixed White	55.30	483 Pastel Green	27.10	962 Violet	4
071 Mixed Light	34	773 Pea Green	26	552 Lilac	7
324 Light Grey	24	073 Lime	27	562 Lavender	6
524 Dove Grey	12	237 Fern	11	242 Pink	6.60
571 Mixed Dark	10	873 Olive	10	342 Mallow	10
003 Anthracite	4	343 Dark Green	4	132 Rosa	17
624 Black	3	302 Vanilla	44.30	305 Magnolia	11
052 Truffle Brown	3.10	131 Honey	44	435 Rose	15
794 Dark Brown	4	421 Yellow	45	845 Turquoise	22
913 Coffee	8.50	047 Saffron	40	213 Lagoon	18
022 Fawn Brown	6	472 Mustard	28	555 Cader	8.30
114 Alpaca	6.60	371 Mango	13.40	803 Petrol	8
091 Mixed Nature	13.30	081 Terracotta	10	626 Azur	4
264 Cashmere	18	151 Light Orange	15	272 Royal Blue	7
583 Mud	9	611 Orange	18	282 Dark Blue	2.30
927 Dune	28.80	501 Rust	11	335 Indigo	4
764 Sand	35	971 Light Red	10.60	686 Gentian	10
133 Sahara	29	521 Tomato	9	482 Sky	31.10
804 Taupe	21	102 Red	5.30	316 Glacier	30
514 Reed	24	201 Cherry	4.50		



Wool felt roll width (+/- 20 mm) 1800 mm/5'-9"

The roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. **Ribs run vertically along the roll.**

Recycled leather roll length up to 8 LM / 26'-2" LF

COLOURS: WOOL FELT

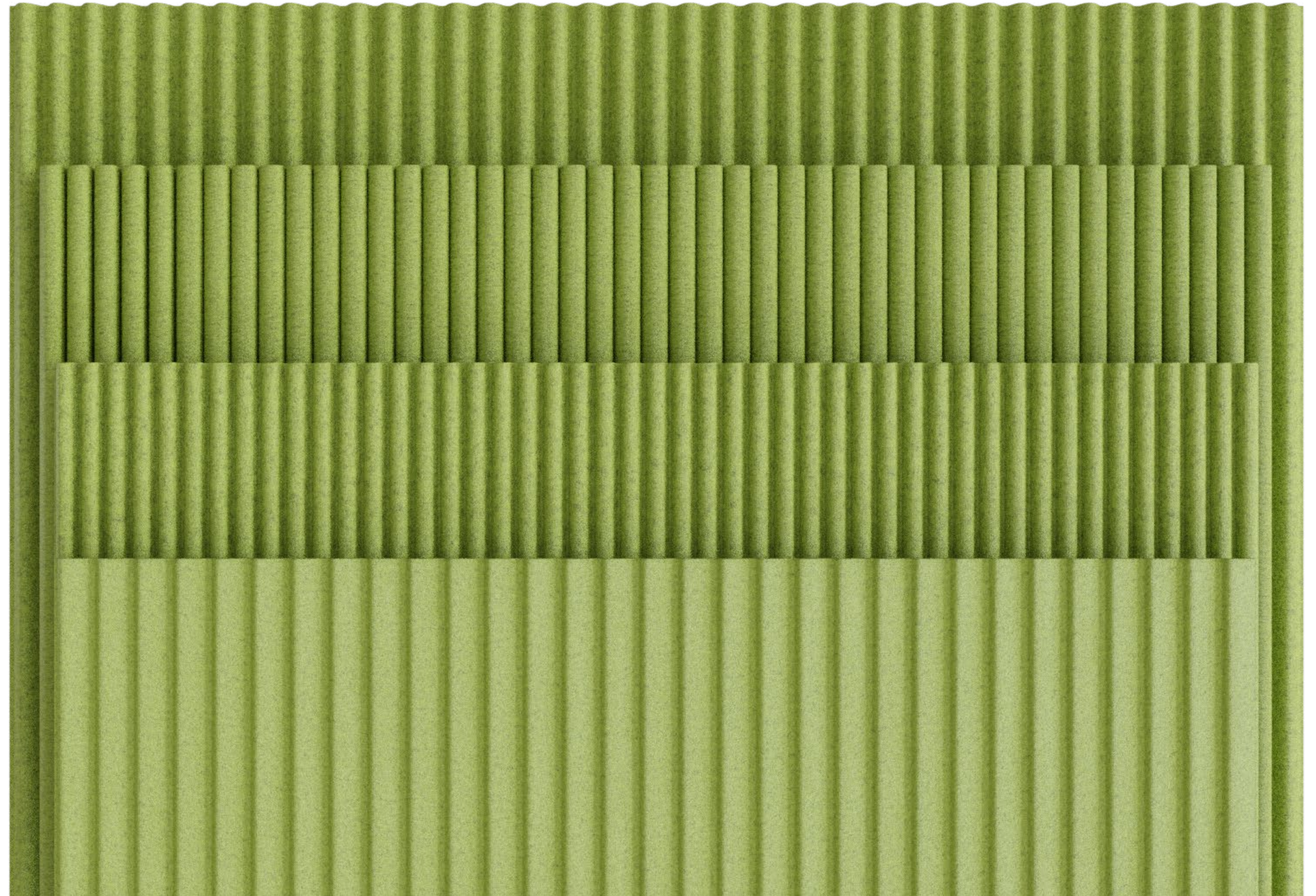


03 SYNTHETIC FELT

Synthetic Felt is a synthetic Polyester tested to Euroclass B1 and the American ASTM: Class A. Recyclable. Fully recyclable and comes in our widest roll width.

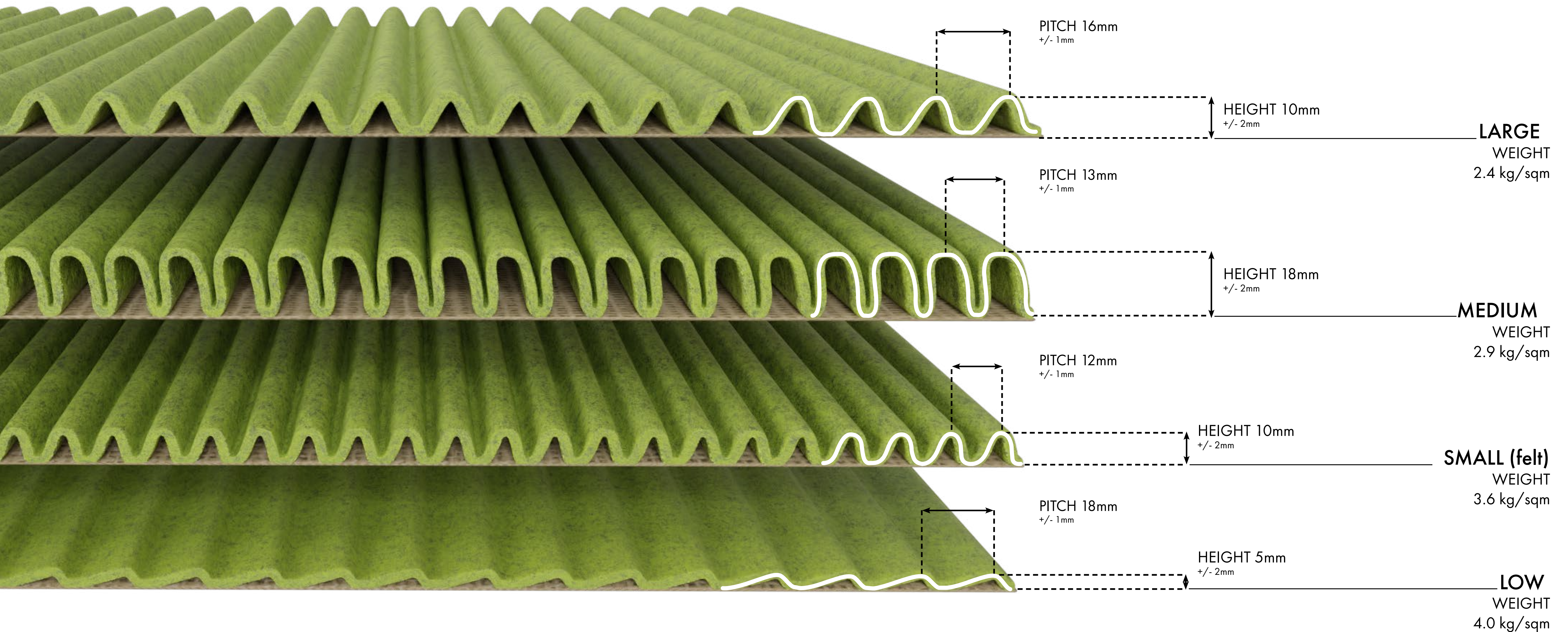
The roll width is 2 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Felt thickness is 3 mm and jute is 1 mm.

All production is made to order with lead-times up to 10 weeks.



RIB SIZES: SYNTHETIC FELT

The original range comes on natural jute backing. Roll width is 200 cms for synthetic felt.



MATERIAL SPECIFICATIONS: SYNTHETIC FELT

A tactile and sustainable wall or panel covering comprising a top layer of recycled polyester felt which is mechanically ribbed and bonded to a jute backing layer. backing layer.

Composition:

Top layer: 100% polyester in 3 mm thickness.

Base layer: Natural woven jute textile provides a stable backing in 1 mm thickness.

Adhesive: Natural latex adhesive holds the ribbed structure in place.

Colourfastness: Class 6-7.

Fabrics will show shade differences between production batches, and this effect is greater for recycled materials.

Sustainability:

BUXKIN synthetic felt contains no formaldehyde and is free from VOC's. Can contribute to BREEAM & LEED credits and is produced to the OEKO-TEX® Standard 100, Certified Product Class II.

Acoustic properties:

The sound absorption of this material is likely class C or D without any backing. For a Class A absorbent installation please specify with an additional 30mm of acoustic backing.

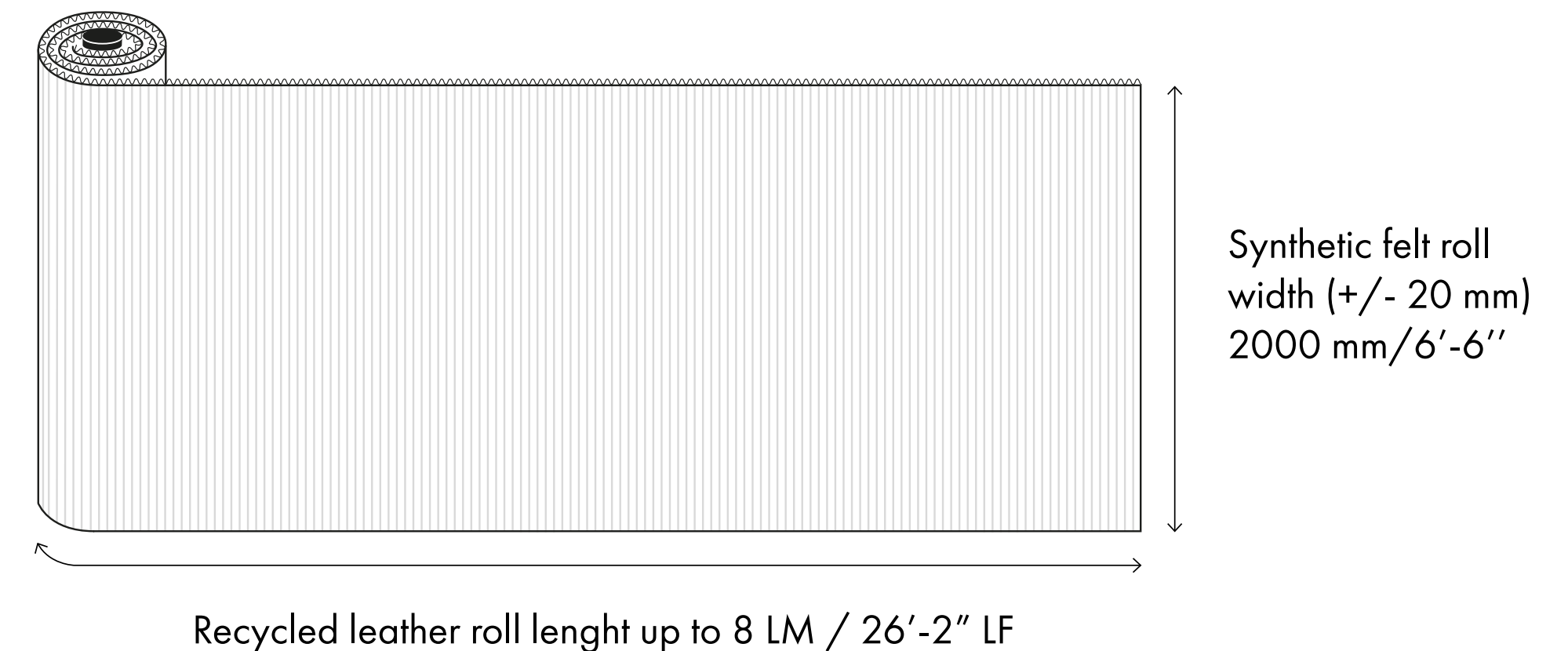
Fire Rating:

The flat synthetic felt is fire rated at Euroclass B1, but the composite ribbed material is untested (as of Dec 2021). For those applications that require it, the material can be treated with Duraflam® flame retardant by our specialist partners and a treatment certificate supplied for each application.

After Care & Maintenance:

Synthetic felt is highly resistant to staining and marks. Vacuum occasionally with a brush fitting to remove air-borne debris. Should soiling occur, spot clean with mild soap and warm water. Avoid aggressive rubbing as this can change the surface appearance.

Material: synthetic felt	LRV values (calculated)	Material: synthetic felt	LRV values (calculated)	Material: synthetic felt	LRV values (calculated)
104U Cotton	91	904U Macadamia	29.50	834U Ruby	7.30
104M Quartz	56.40	804M Oatmeal	67.40	834M Mad Red	5.70
004M Mist	56	644U Peridot	28	624U Lava	15
494U Pewter	23.30	644M Bamboo	27	624M Amber	12.70
494M Steel	22	654U Navy	2	324M Lemon	38.50
694M Charcoal	12.50	054U Periwinkle	32.30	424U Marigold	46
994U Noir	3	054M Blue Jay	30	424M Dijon	19.30
874U Cold Brew	10.20	234U Sakura	13.70		
904M Sparrow	15.30	234M Orchid	11.50		



The roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. **Ribs run vertically along the roll.**

For installation considerations please see our [Installation Guide at Buxkin.com/downloads](https://www.buxkin.com/downloads). Documents available at info@buxkin.com.

At the end of life, the felt can be pulled away from the backing. The jute backing is biodegradable, and the felt can be recycled and felted again.

COLOURS: SYNTHETIC FELT

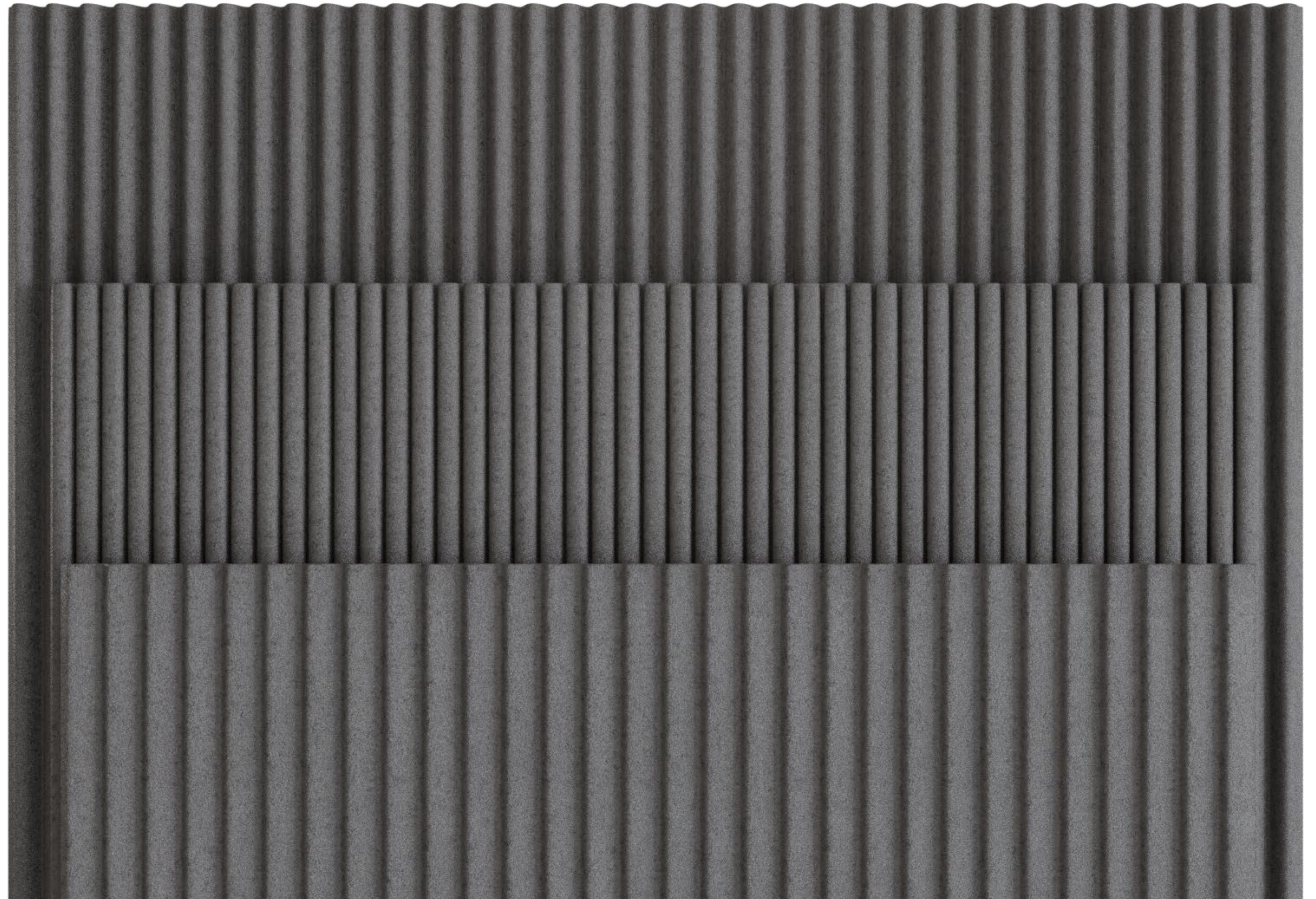


04 RECYCLED FELT

A tactile and sustainable wall or panel covering comprising a top layer of recycled leather which is mechanically ribbed and bonded to a natural jute backing layer.

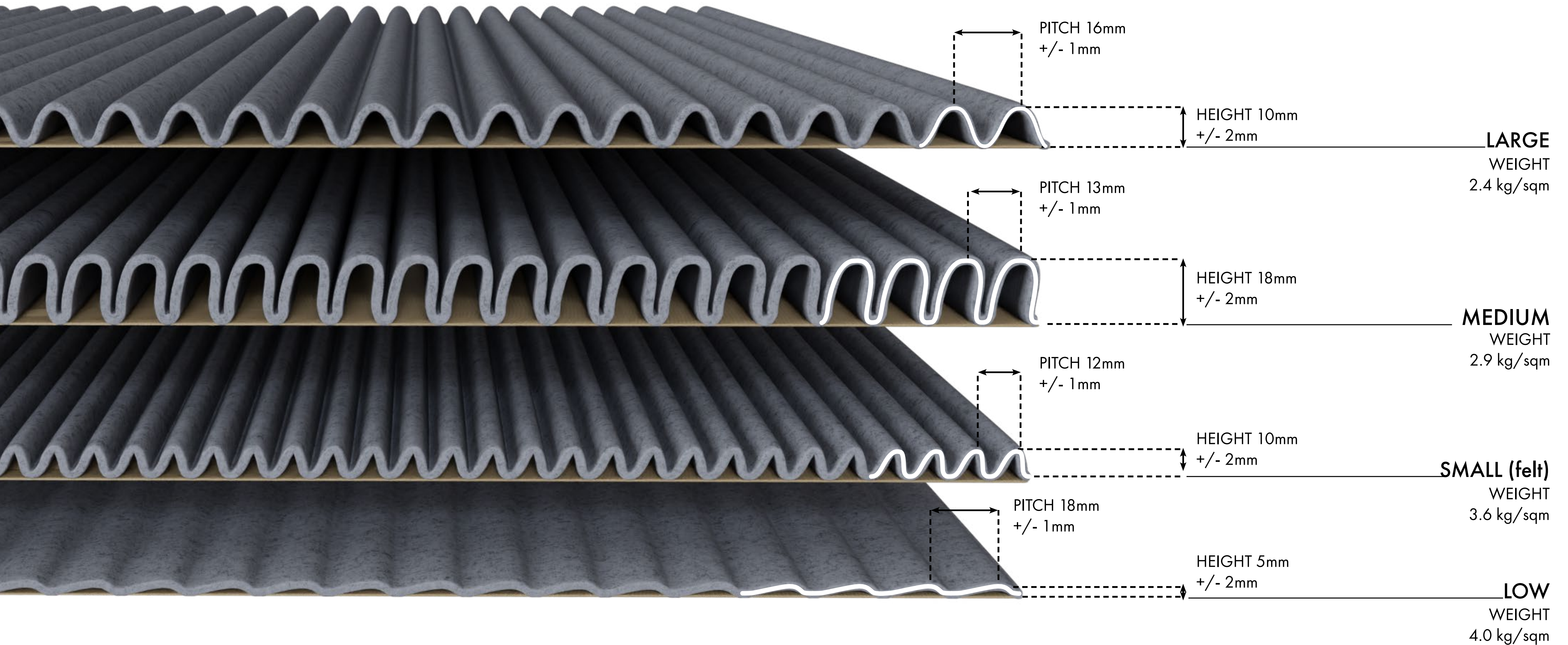
The roll width is 1.45 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Leather thickness is 1.3 mm and jute is 1 mm.

All production is made to order with lead-times up to 10 weeks.



RIB SIZES: RECYCLED FELT

The original range comes on natural jute backing. Roll width is 180 cms for recycled felt.



MATERIAL SPECIFICATIONS AND COLOUR: RECYCLED FELT

A tactile and sustainable wall or panel covering comprising a top layer of 100% Merino or Karakul wool which is mechanically ribbed and bonded to a jute backing layer.

Composition:

Top Layer: 100% Merino or Karakul Wool mechanically felted without binding agents in 3mm thickness.

Base Layer: Natural woven jute textile provides a stable backing in 1mm thickness.

Adhesive: Natural latex adhesive holds the ribbed structure in place.

Performance:

Top layer: 60% recycled polyester, 40% virgin fibers and bonding agents.

Base layer: Natural woven jute textile provides a stable backing in 1mm thickness.

Adhesive: Natural latex adhesive holds the ribbed structure in place.

Colourfastness: EN ISO 105-B02: Class 5-6

Fabrics will show shade differences between production batches, and this effect is greater for recycled materials.

Sustainability:

BUXKIN original recycled felt contains no formaldehyde and is free from VOC's. Can contribute to BREEAM & LEED credits.

Acoustic properties:

For applications requiring compliance to Class 1 (BS 476: Part 7) or Class 0 (BS 476: Part 6) the material can be treated with Duraflam® flame retardant by our specialist partners who's inhouse testing indicates compliance with the above standards.

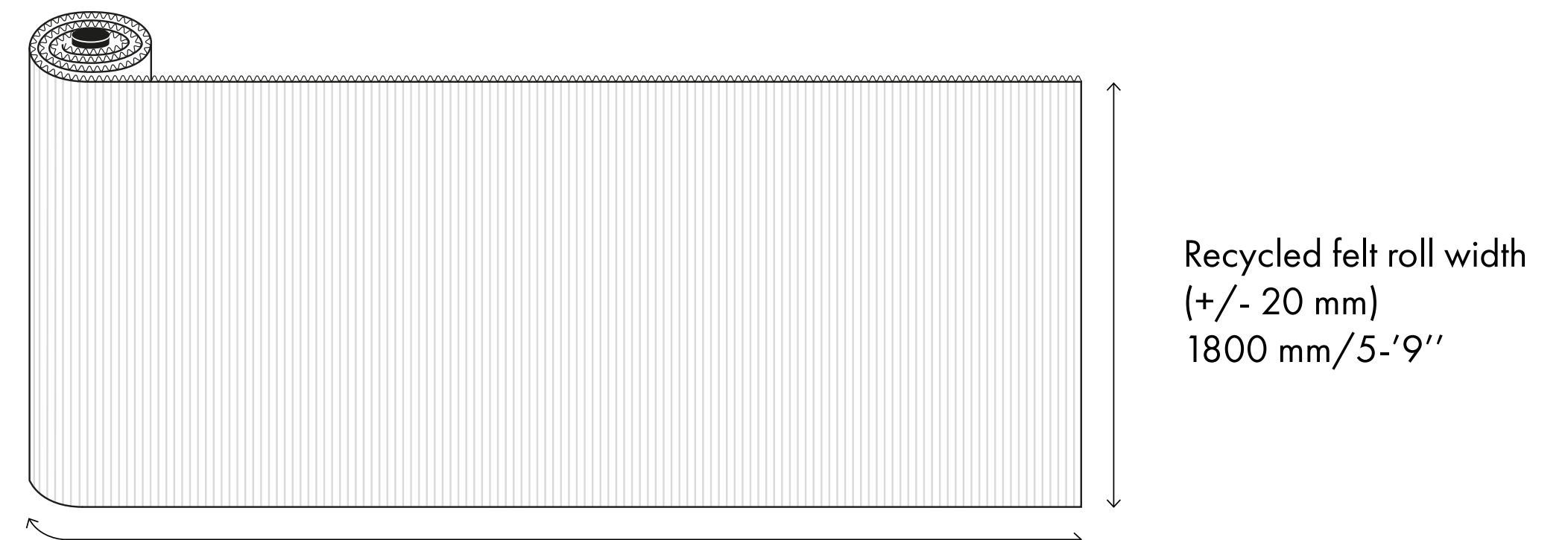
Fire Rating:

For applications requiring compliance to Class 1 (BS 476: Part 7) or Class 0 (BS 476: Part 6) the material can be treated with Duraflam® flame retardant by our specialist partners who's inhouse testing indicates compliance with the above standards.

After Care & Maintenance:

Recycled felt is highly resistant to staining and marks. Vacuum occasionally with a brush fitting to remove air-borne debris. Should soiling occur, spot clean with mild soap and warm water. Avoid aggressive rubbing as this can change the surface appearance.

Material: recycled felt	LRV values
000 Mid Grey	33.70



Recycled leather roll length up to 8 LM / 26'-2" LF

The roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. **Ribs run vertically along the roll.**

For installation considerations please see our [Installation Guide at Buxkin.com/downloads](https://www.buxkin.com/downloads). Documents available at info@buxkin.com.

At the end of life, the felt can be pulled away from the backing. The jute backing is biodegradable, and the felt can be recycled and felted again.



Recycled Leather, Large Rib, PU Coated
KKR Benchmark, London UK 2021



Wool Felt, Large Rib, 051 Mixed White
University of London, London, 2019 by Burwell Deakins



Recycled Leather, Medium Rib, Caramel (Coated)
Mayfair, London UK 2021



Recycled Leather, Small Rib, Black
Apollo Global, London, 2023

JUNCTION DETAILS

Joins that run perpendicular to the rib direction can be expressed in various ways.

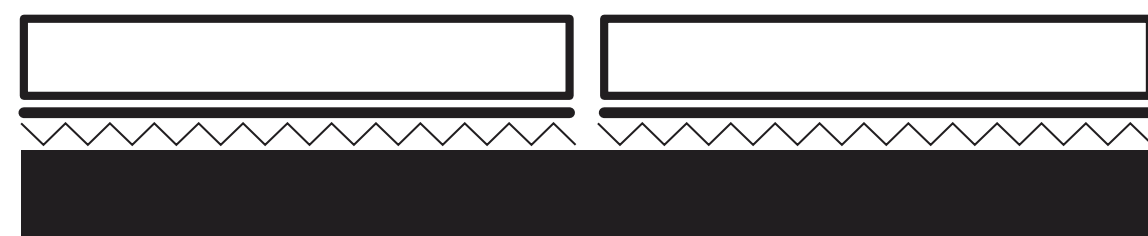
Joins that run parallel to the rib direction are invisible with careful cutting in the trough of adjacent ribs.

1.1 Shadow Gap 3-10mm depending on rib size. Paint the gap black before application if needed.

1.2 Metal Profile can match other framing details within your concept.

1.3 Timber Detail can reflect other timber finishes in the scheme to create a panel break or fixing location.

1.4 Aluminium 'C' section creates a shadow gap with clean termination for the ribbed material. Can be finished in any colour.



CORNER DETAILS

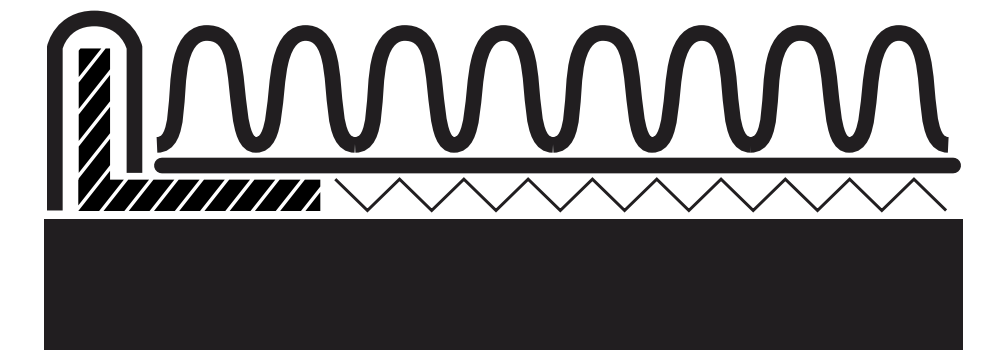
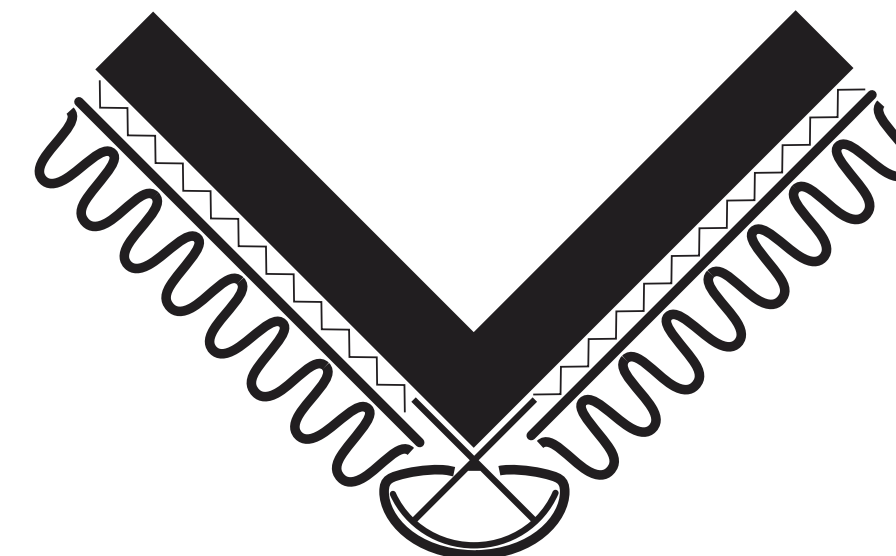
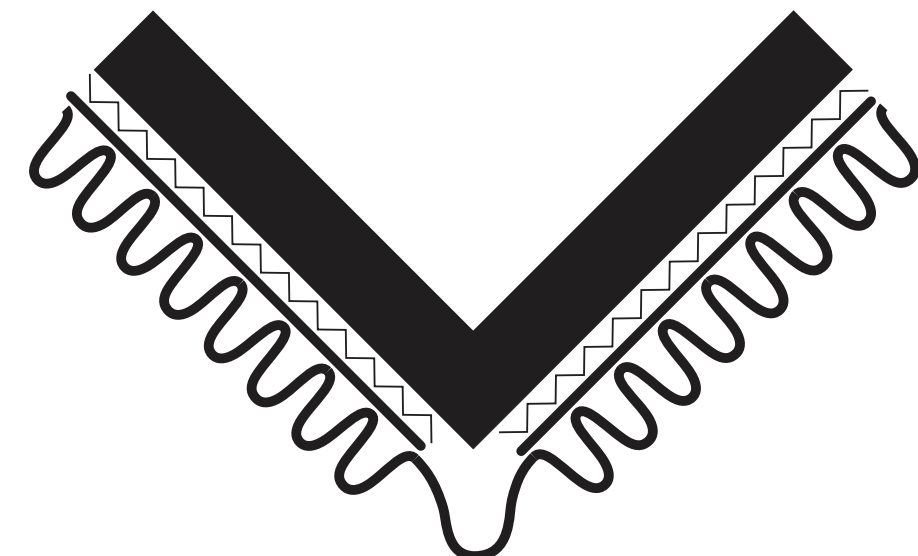
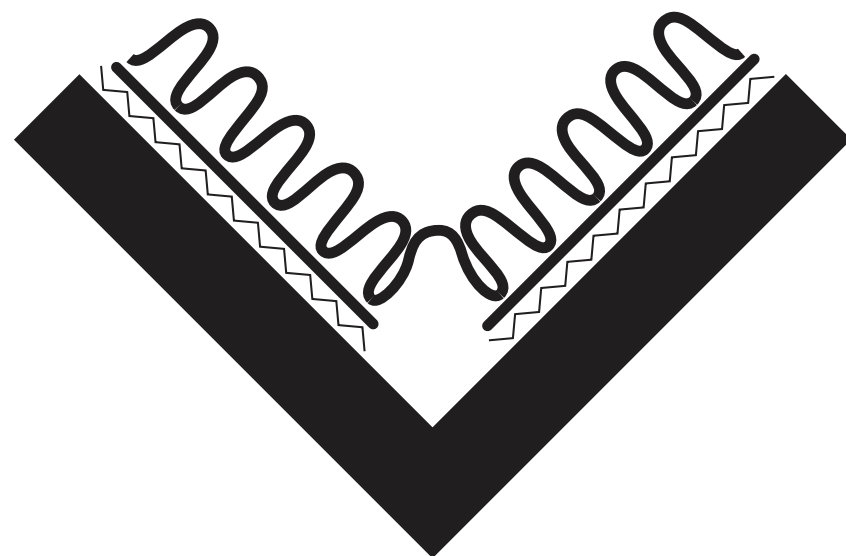
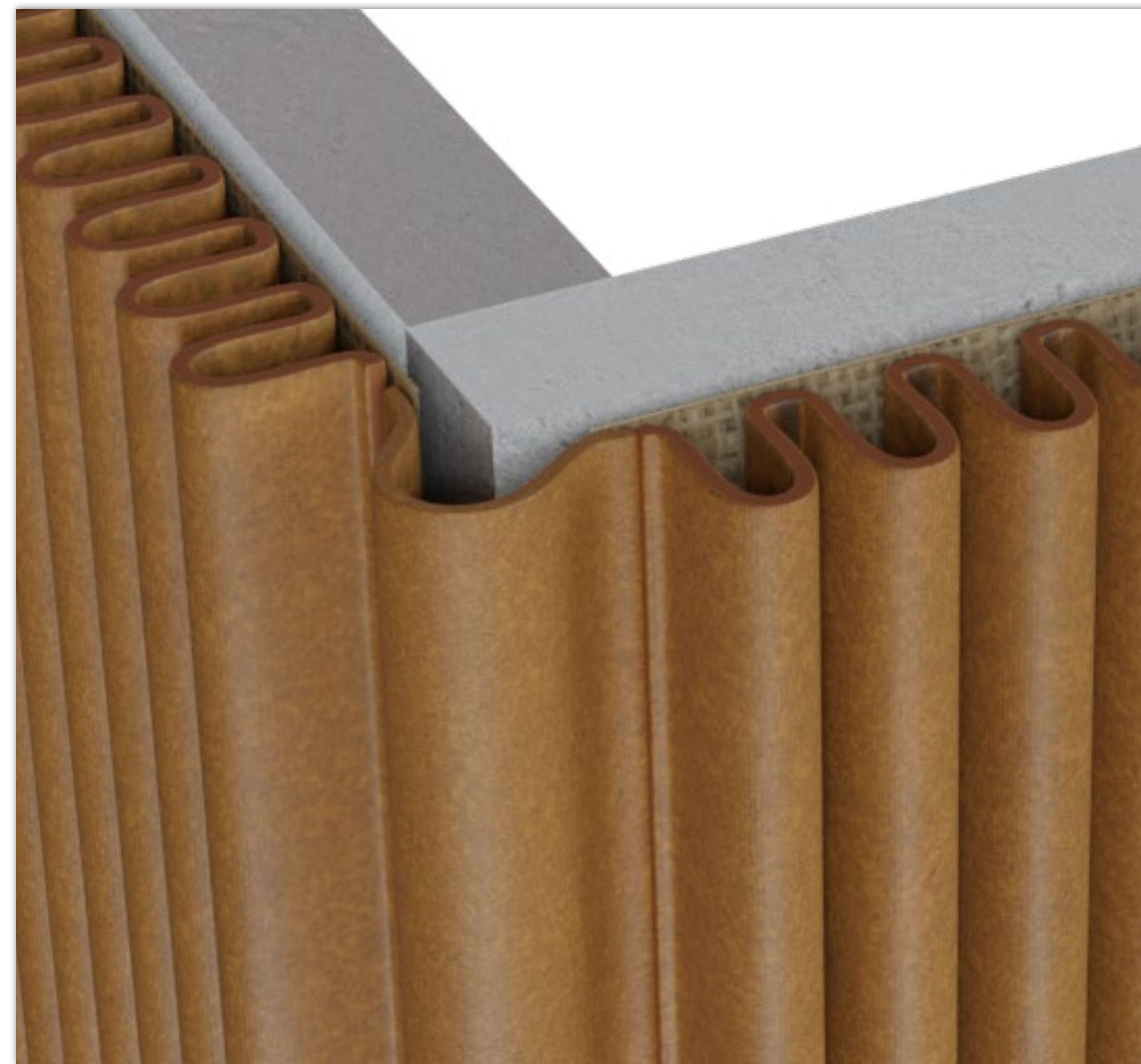
Curves, corners and ends stops all work well with various approaches. Corners and ends can be detailed as followed.

2.1 Internal Corners are improved by putting a relief cut in the backing material.

2.2 External Corners area also improved by the addition of a relief cut in the backing material.

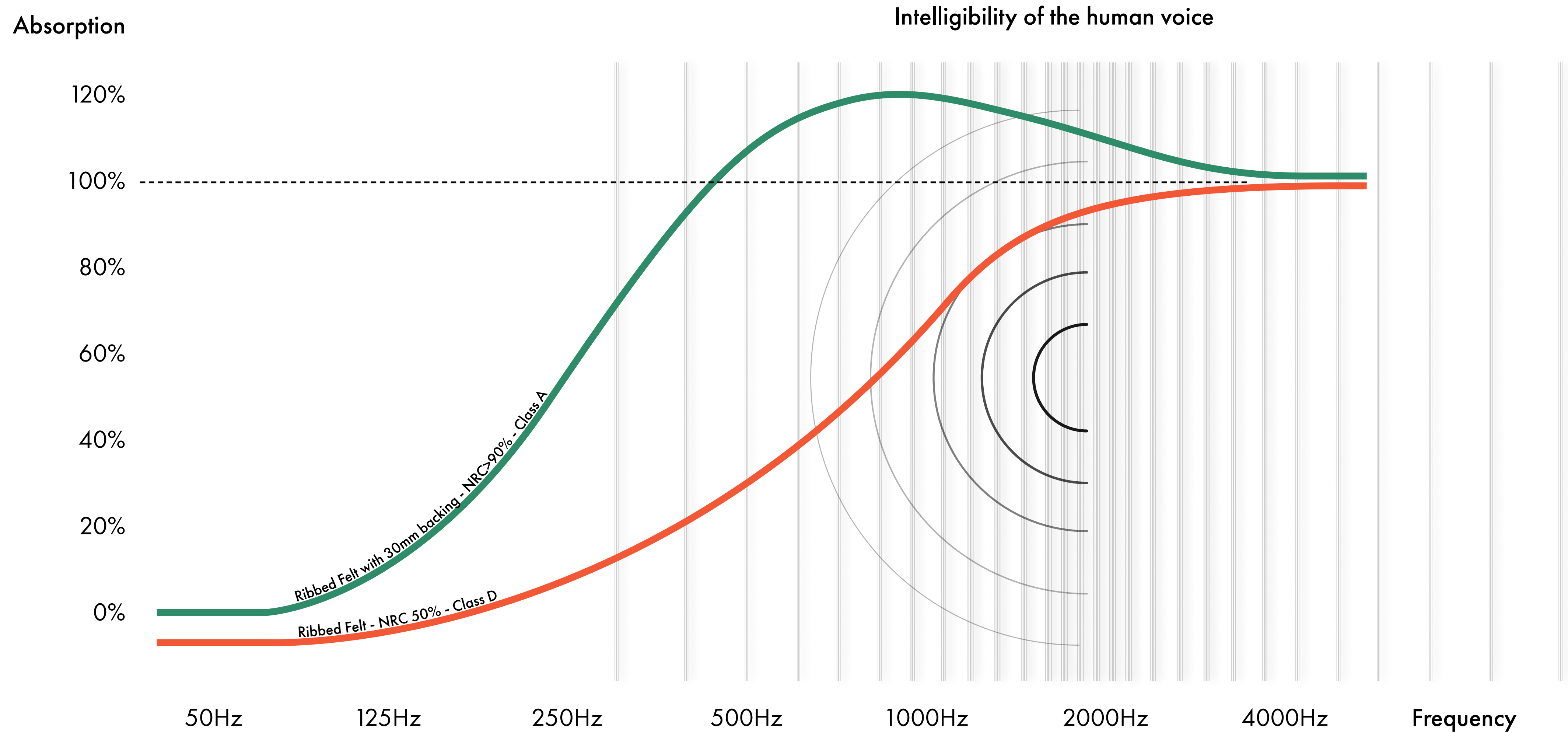
2.3 Corner Profile can wrapped in matching leather to create a more robust corner junction.

2.4 End Stop can be produced to match the rib size and material choice. These can also be mitred to create framing around doors and other penetrations.



ACOUSTICS

The shape and materials in BUXKIN original products contribute to comfortable acoustics in a room.
Lab-tested up to 95% Noise Reduction Coefficient (NRC) with the addition of backing materials to absorb bass frequencies.



Tested to EN-ISO 354:2003 — lab reports on request.

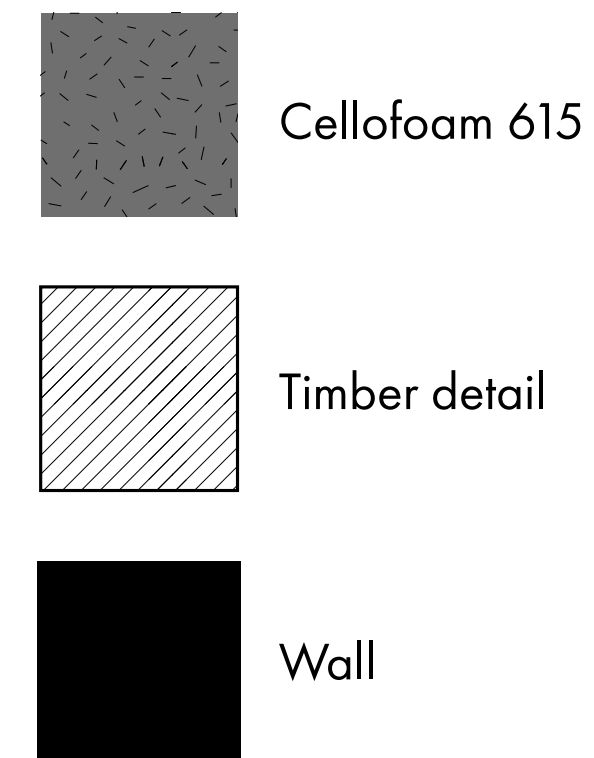
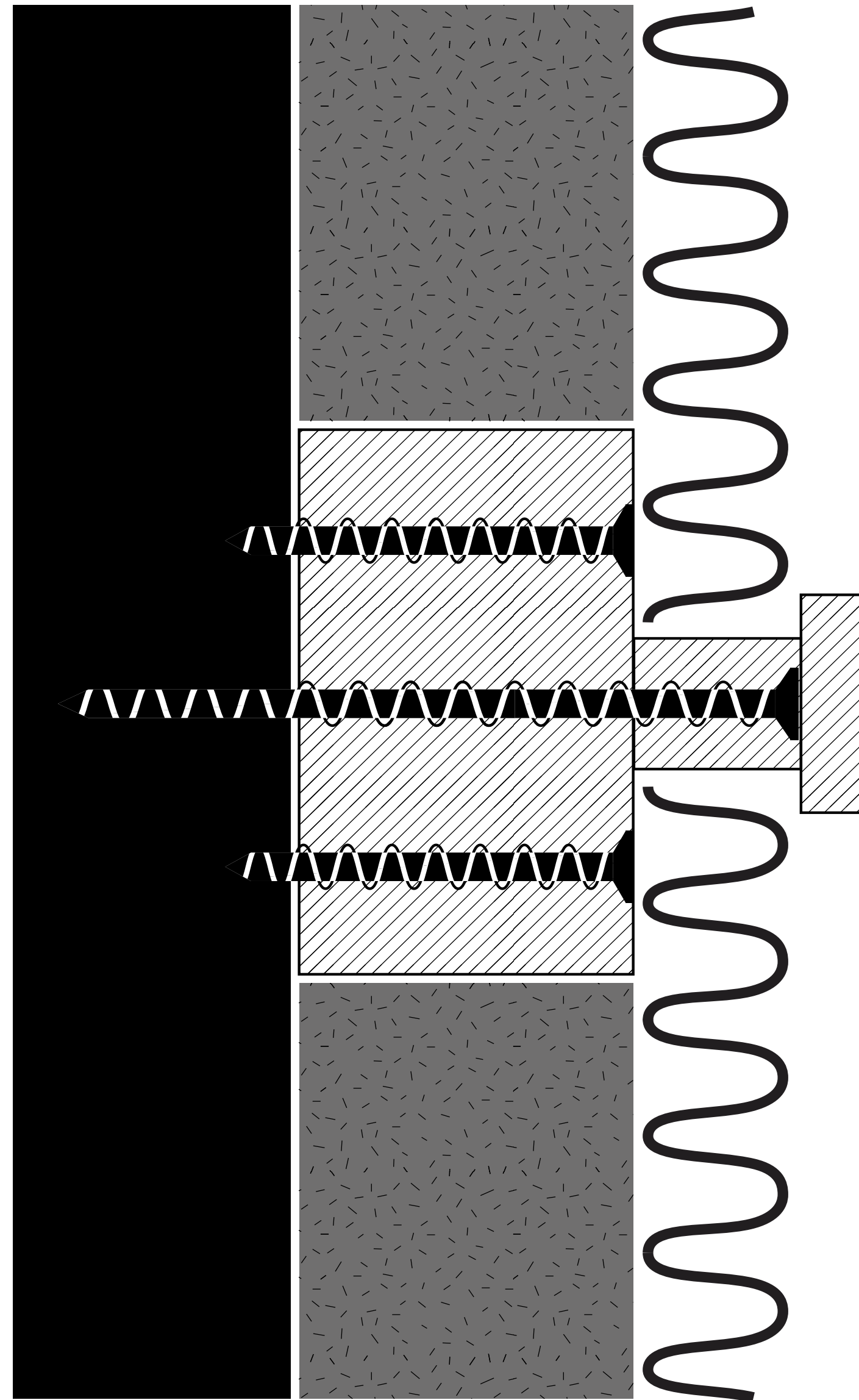
ACOUSTIC DETAIL

Applied direct to walls the acoustic performance of the ribbed materials is Class C or D. For greater absorption additional backing is required to absorb bass energy.

3.1 Acoustic Performance

Can reach up to Class A with the addition of 30mm acoustic backing (Cellofoam 615) behind the ribbed top layer. Any of the junction details can be amended for the increased thickness.

Acoustic lab results available on request.



SUSTAINABLE CONSTRUCTION

BUXKIN original products contribute to BREEAM credits in the following categories.



	HEA02 - Indoor Air Quality	HEA05 - Acoustics	MAT01 - Environmental Impact
Recycled Leather	For wall coverings, BUXKIN original products Tested to EN12149 Methods A, B & C for VOCs (including Formaldehyde) and heavy metals.	Reduces reverberation time when appropriately applied.	60% recycled content contributes towards the recycled content section of Mat 01.
Recycled Felt	Not yet tested, but anticipated to meet requirements based on results above.	Achieves up to 95% noise reduction coefficient (w	
Synthetic Felt			
Wool Felt			



CONTACT DETAILS

BUXKIN Global BV
Zwanendreef 20
Moordrecht
2841 NT
The Netherlands

+31 6 51 52 61 82
info@buxkin.com

BUXKIN UK
Made Possible Ltd
Unit 1, Claxfield
Farm
Claxfield Road
ME9 9PX Teynham
Sittingbourne

+44 1795 515 124
hello@made-possible.co.uk