

BUXKIN[®]

/ Creative use of sustainable materials

BUXKIN original

A range of unique tactile
wall coverings

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MATERIAL OPTIONS

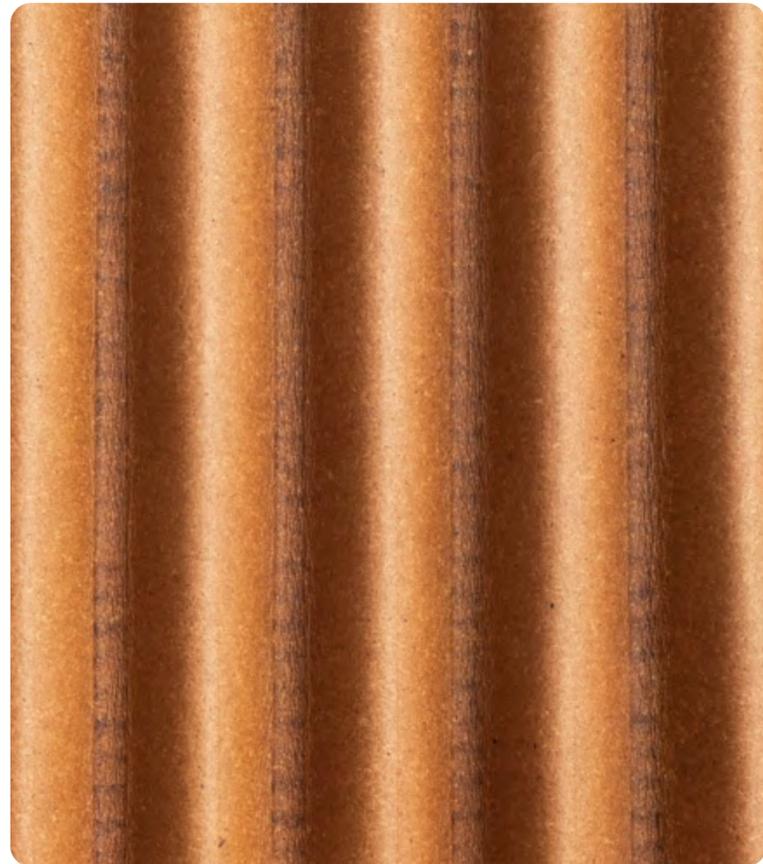
BUXKIN original products are available in a range of sustainably sourced materials each with unique qualities.

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.

£109 - £185 / sqm - Roll Width 1.45 m



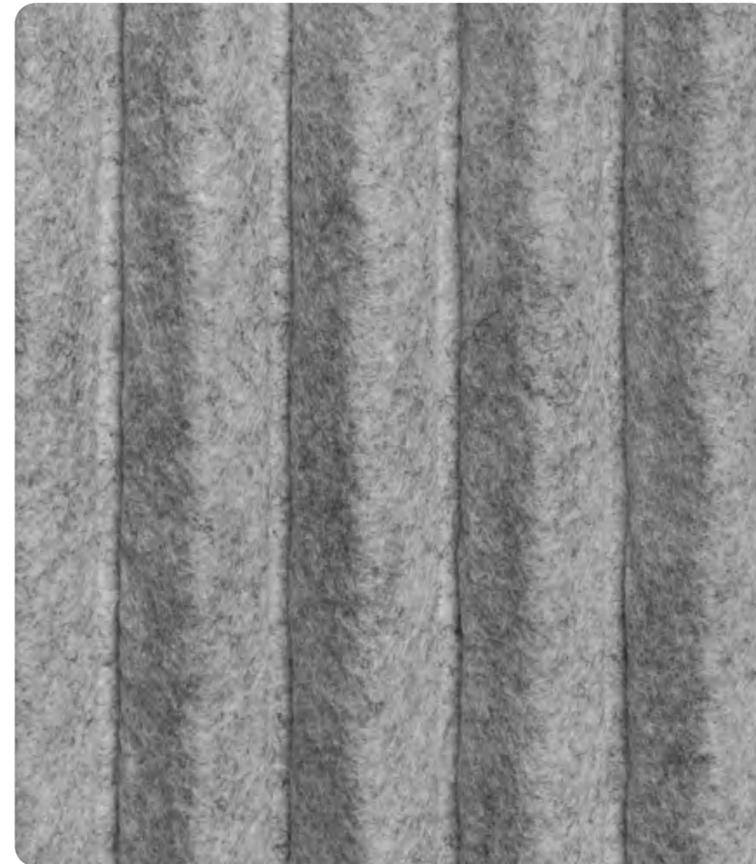
WOOL FELT is 100% Marino wool. An ancient material reimagined. Has the widest colour range of all our materials.

£159 - £299 / sqm - Roll Width 1.8 m



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

£129 - £179 / sqm - Roll Width 2.0 m



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

£114 - £149 / sqm - Roll Width 1.8 m



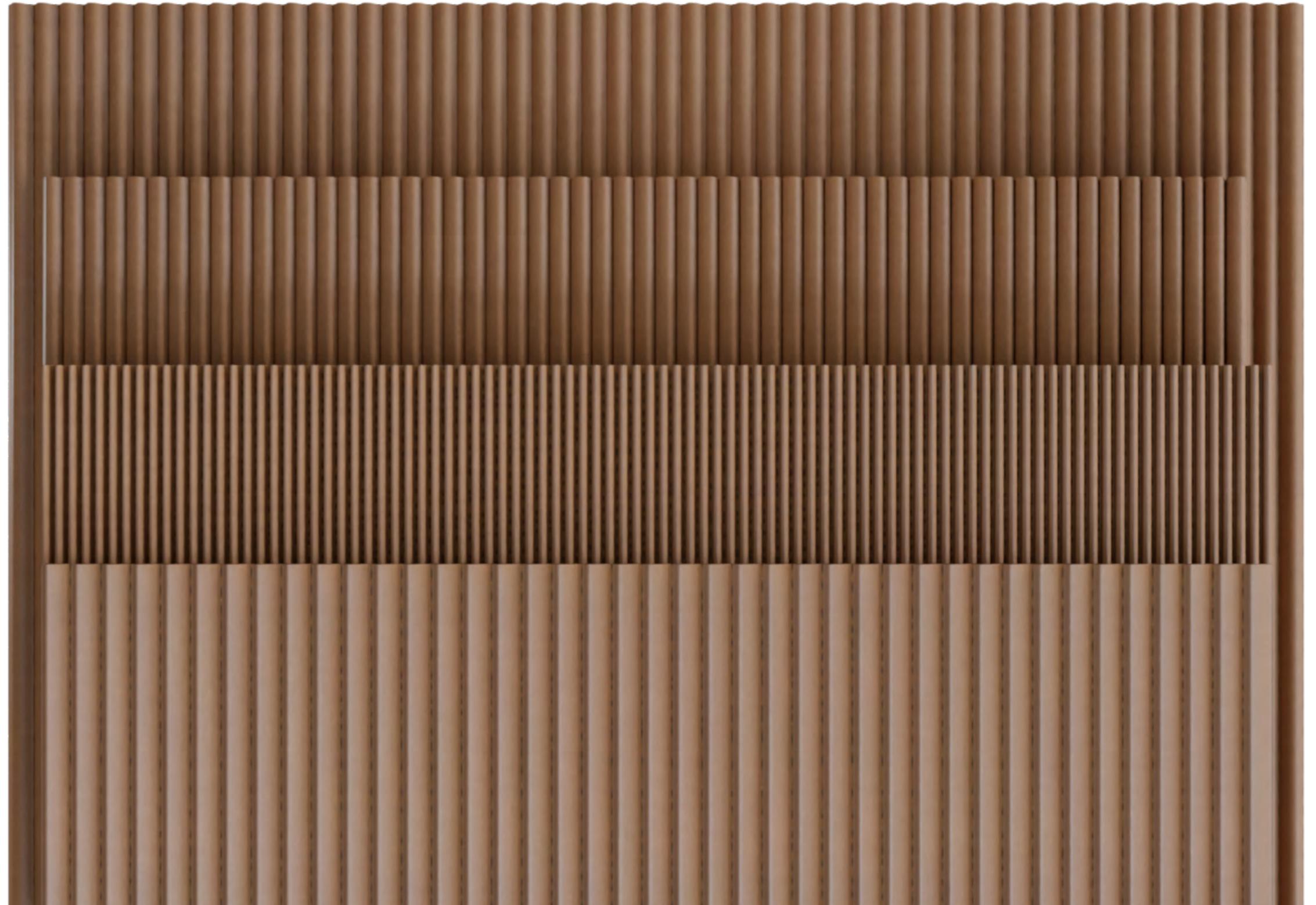
Colour Charts for each material can be found later in this document.

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.

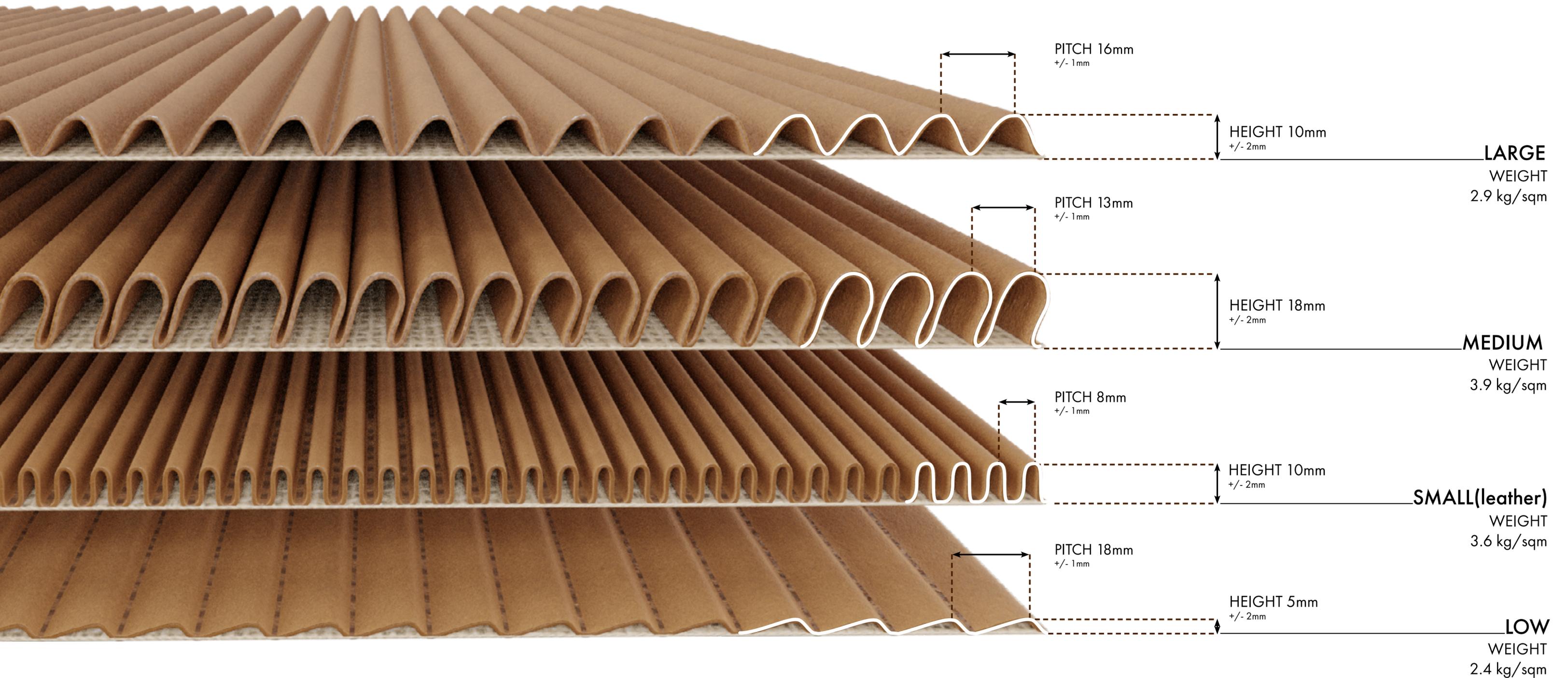
The roll width is 1.45 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Leather thickness is 1.3 mm and jute is 1 mm.

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 FOR LEATHER

COMPOSITION

Top Layer: 60% Recycled leather combined with natural rubber and water. 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.

Base Layer: Natural woven jute textile provides a stable backing.

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.

SUSTAINABILITY

BUXKIN original 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 – Vinylchloride 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 can be improved with the addition acoustic foam behind the installation.

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

Country of Origin: The Netherlands

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.

INSTALLATION CONSIDERATIONS

BUXKIN original rolls must be stored and installed in a stable interior environment (relative humidity between 40% and 60% and temperature 18 – 26°C). All rolls should be allowed to rest and acclimatise, unwrapped, at the installation location for 48 hours prior to installation.

In order to align ribs between different panels it may be necessary to add relief cuts (along the length of a rib) to allow the material to stretch and compress to ensure accurate alignment. The same method is used to stretch the material if needed to fill a space that does not align with the dimension on a whole rib.

Bond panels to substrate using clear silicon and 18-gauge furniture pins. This allows time to check alignments before the adhesive sets. Contact adhesives also bond well but provide less working time and are harder to clean.

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.

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.

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 as leather again.

COLOURS

LEATHER

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



PU Coated*



Any RAL colour

Clear coated deep colours with a wipeable satin finish.

* Minimum order 70 sqm.

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.

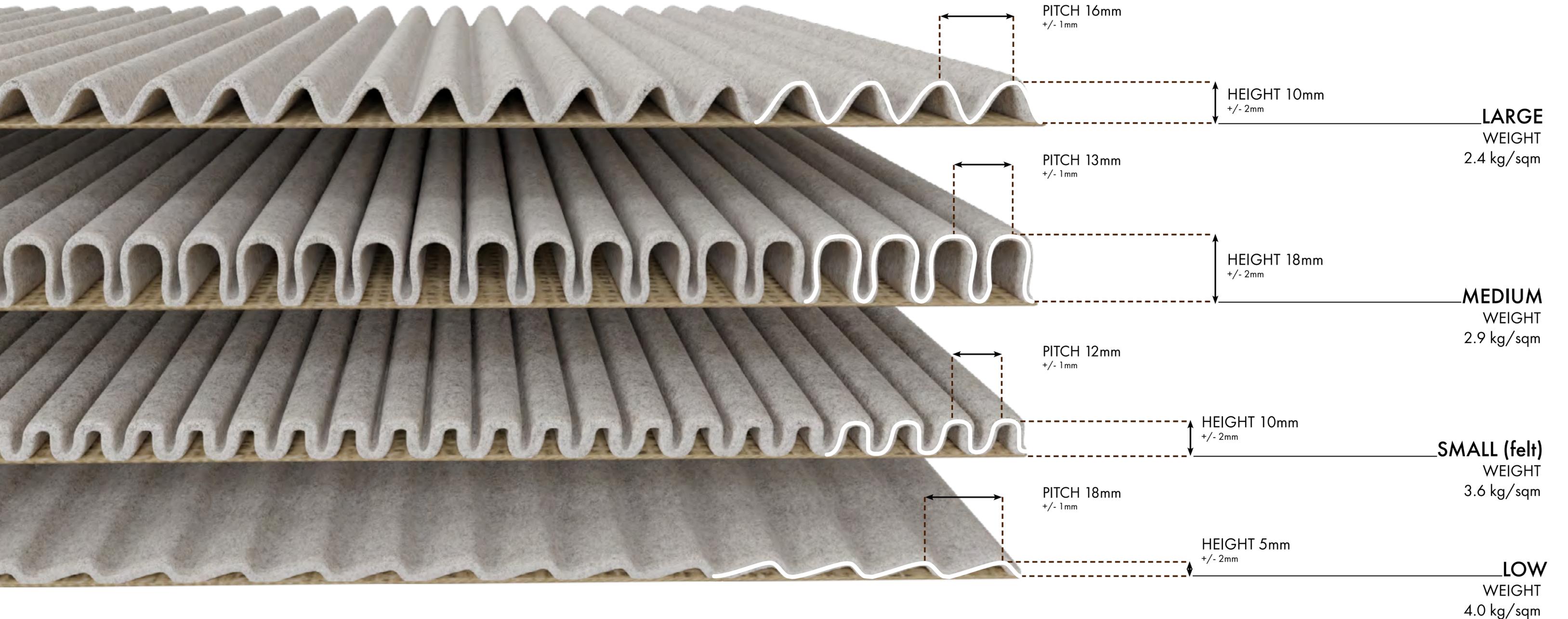
The roll width is 1.8 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Felt thickness is 3 mm and jute is 1 mm.

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

COMPOSITION

Top Layer: 100% Merino or Karakul Wool mechanically felted without binding agents.

Base Layer: Natural woven jute textile provides a stable backing.

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

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.

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

SUSTAINABILITY

BUXKIN original 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.

At the end of its life wool felt can be recycled as textile and re-felted.

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.

Country of Origin: The Netherlands

BUXKIN

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 Durafam® flame retardant by our specialist partners who's inhouse testing indicates compliance with the above standards.

INSTALLATION CONSIDERATIONS

BUXKIN original rolls must be stored and installed in a stable interior environment (relative humidity between 40% and 60% and temperature 18 – 26°C). All rolls should be allowed to rest and acclimatise, unwrapped, at the installation location for 48 hours prior to installation.

In order to align ribs between different panels it may be necessary to add relief cuts (along the length of a rib) to allow the material to stretch and compress to ensure accurate alignment. The same method is used to stretch the material if needed to fill a space that does not align with the dimension on a whole rib.

Bond panels to substrate using clear silicon and 18-gauge furniture pins. This allows time to check alignments before the adhesive sets. Contact adhesives also bond well but provide less working time and are harder to clean.

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.

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

WOOL FELT

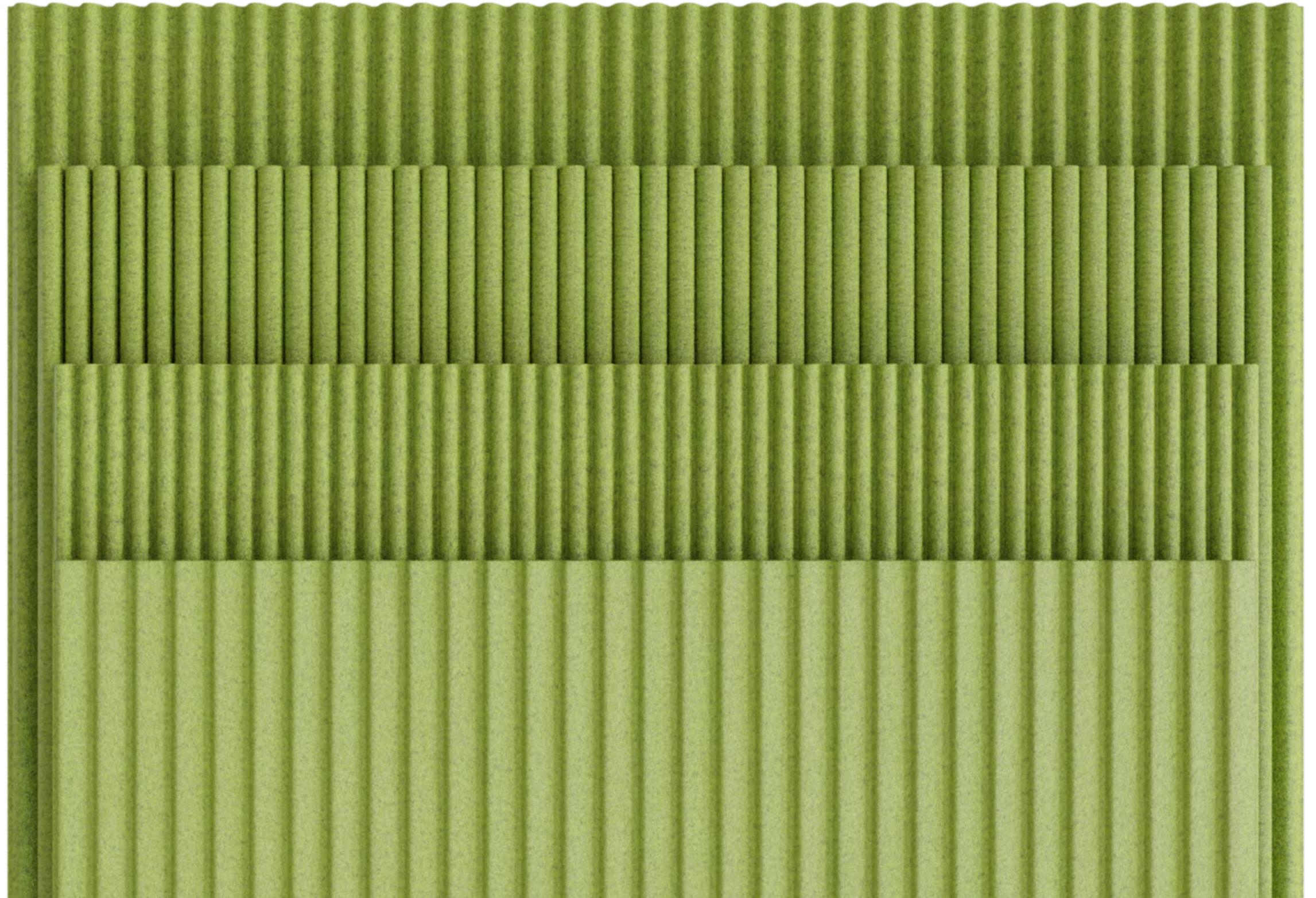


03 SYNTHETIC FELT

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.

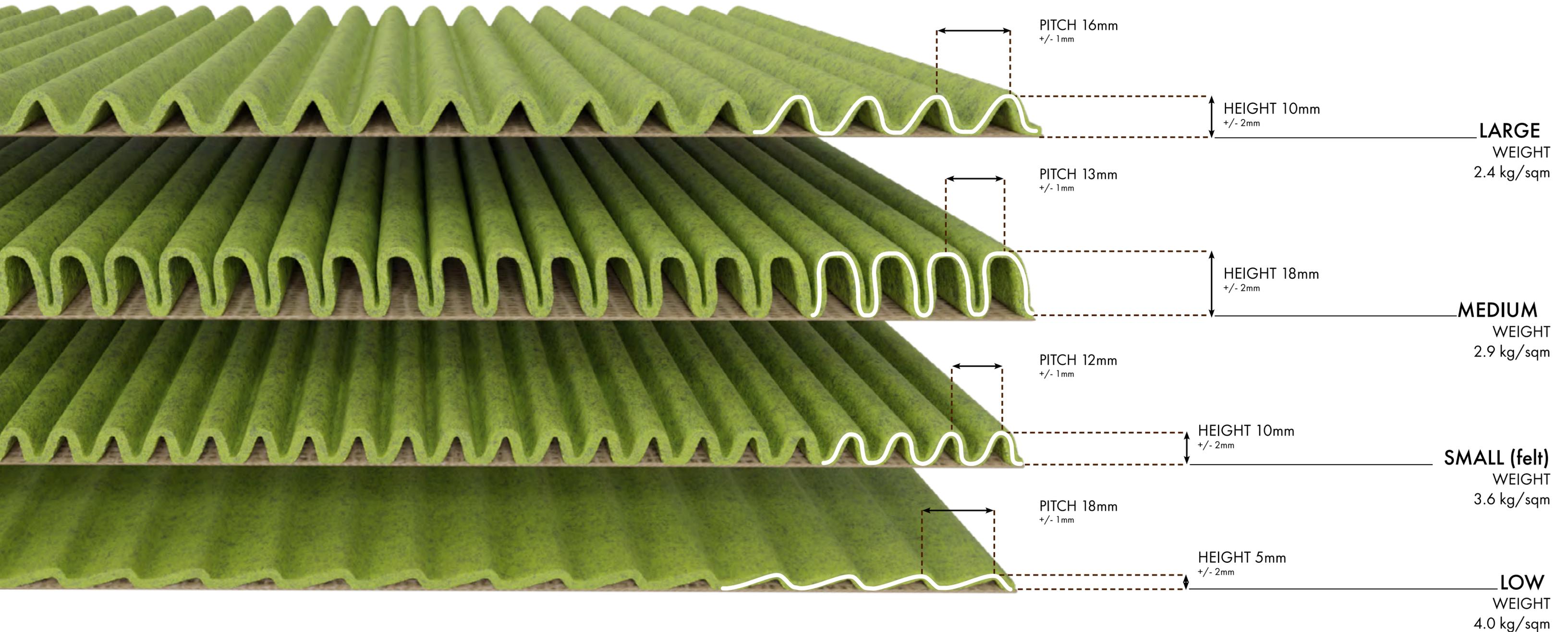
The roll width is 2 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Felt thickness is 3 mm and jute is 1 mm.

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 FOR SYNTHETIC FELT

A tactile and sustainable wall or panel covering comprising a top layer of 100 % polyester felt which is mechanically ribbed and bonded to a jute backing layer. All production is made to order with lead-times up to 10 weeks. 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.

COMPOSITION

Top Layer: 100% polyester.

Base Layer: Natural woven jute textile provides a stable backing.

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

Colourfastness to light: Class 6-7.

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

SUSTAINABILITY

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

Synthetic felt is produced to the Oeko-Tex Standard 100, Certified Product Class II.

At the end of its life wool felt can be recycled as textile and re-felted.

ACOUSTIC PROPERTIES

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

Country of Origin: The Netherlands

BUXKIN

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.

INSTALLATION CONSIDERATIONS

BUXKIN original rolls must be stored and installed in a stable interior environment (relative humidity between 40% and 60% and temperature 18 – 26°C). All rolls should be allowed to rest and acclimatise, unwrapped, at the installation location for 48 hours prior to installation.

In order to align ribs between different panels it may be necessary to add relief cuts (along the length of a rib) to allow the material to stretch and compress to ensure accurate alignment. The same method is used to stretch the material if needed to fill a space that does not align with the dimension on a whole rib.

Bond panels to substrate using clear silicon and 18-gauge furniture pins. This allows time to check alignments before the adhesive sets. Contact adhesives also bond well but provide less working time and are harder to clean.

AFTER CARE & MAINTENANCE

Treat stains promptly and always pre-test any cleaning method on small areas. 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.

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.

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.

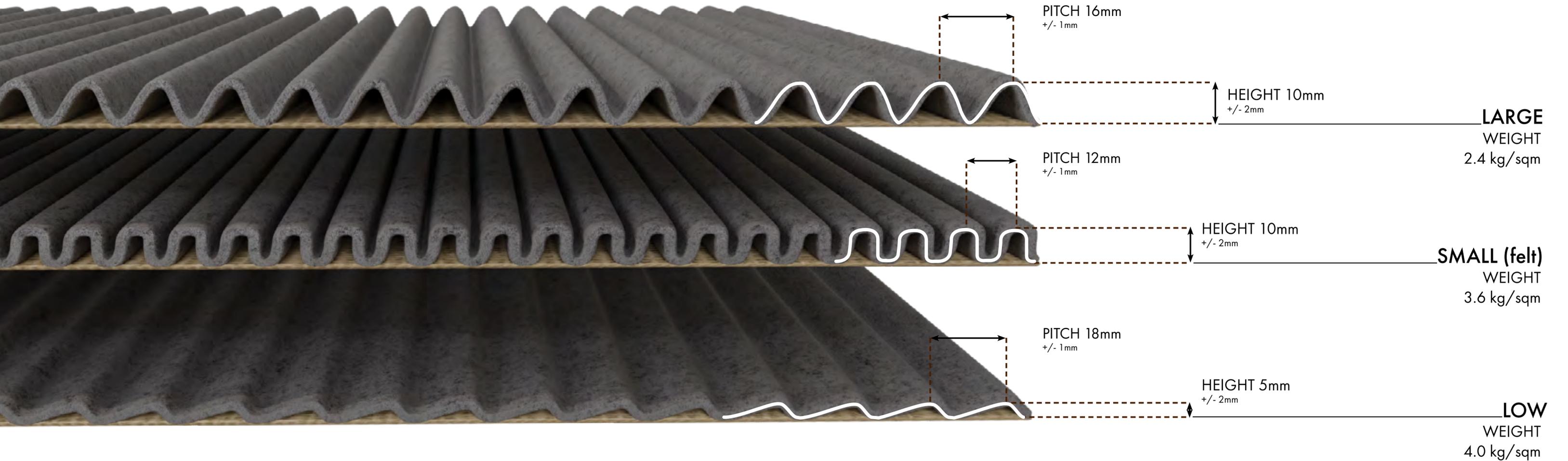
The roll width is 1.45 m (+/- 2 cms) and the roll length is to the customer's requirements, with a maximum roll length of approximately 8 linear meters. Leather thickness is 1.3 mm and jute is 1 mm.

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

COMPOSITION

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

Base Layer: Natural woven jute textile provides a stable backing.

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

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

SUSTAINABILITY

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

At the end of its life the recycled felt can be recycled as textile and re-felted.

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.

**Recycled felt comes only in one colour:
000 MID GREY**



Country of Origin: The Netherlands

BUXKIN

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.

INSTALLATION CONSIDERATIONS

BUXKIN original rolls must be stored and installed in a stable interior environment (relative humidity between 40% and 60% and temperature 18 – 26°C). All rolls should be allowed to rest and acclimatise, unwrapped, at the installation location for 48 hours prior to installation.

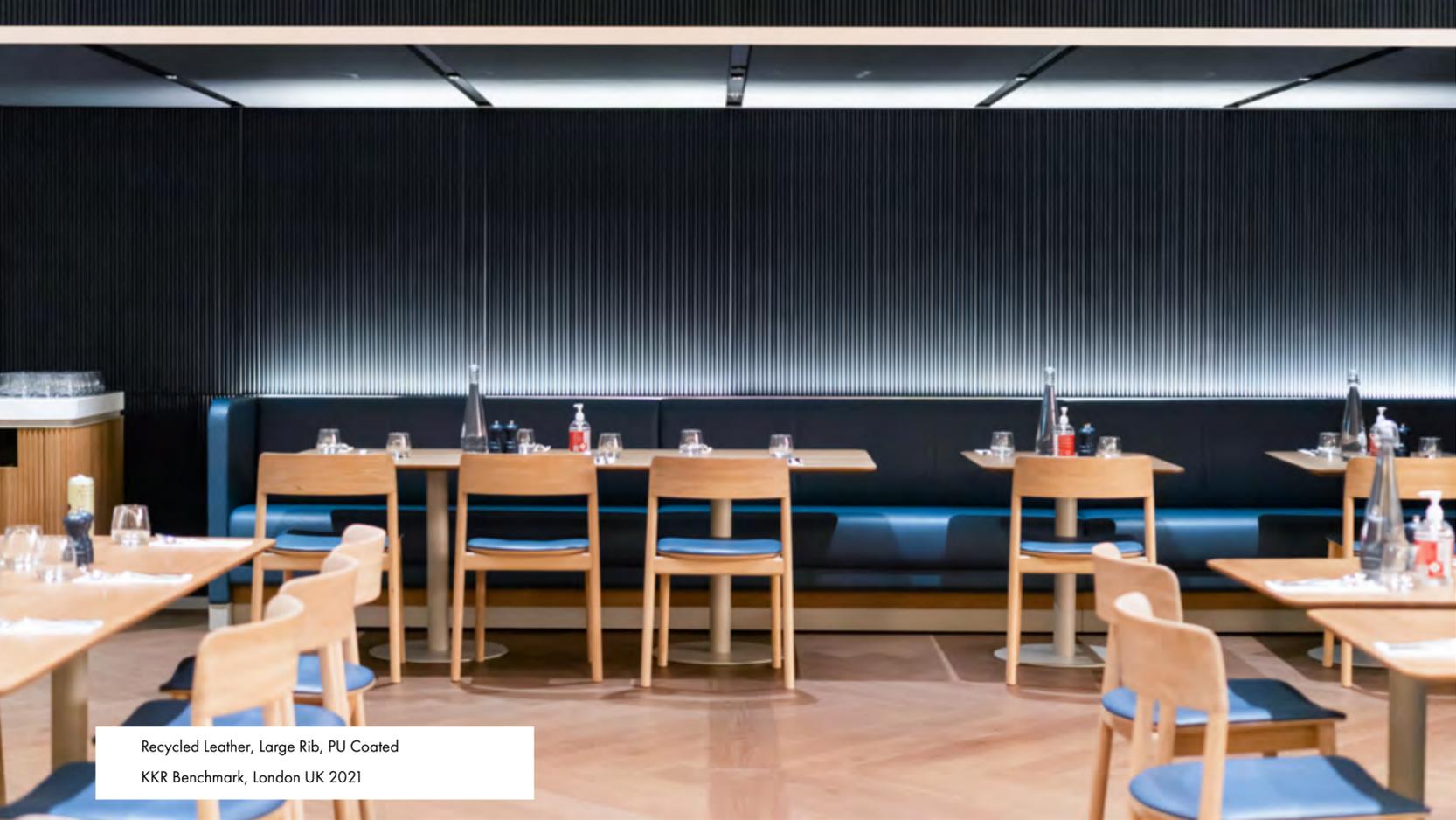
In order to align ribs between different panels it may be necessary to add relief cuts (along the length of a rib) to allow the material to stretch and compress to ensure accurate alignment. The same method is used to stretch the material if needed to fill a space that does not align with the dimension on a whole rib.

Bond panels to substrate using clear silicon and 18-gauge furniture pins. This allows time to check alignments before the adhesive sets. Contact adhesives also bond well but provide less working time and are harder to clean.

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.

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, Large Rib, Natural
TD Securities, London, 2018

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.

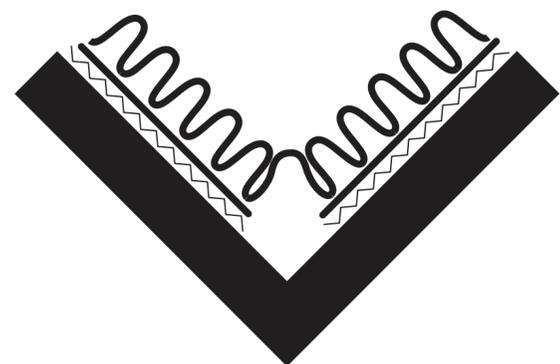
1.4 Aluminium 'C' section creates a shadow gap with clean termination for the ribbed material. Can be finished in any colour.



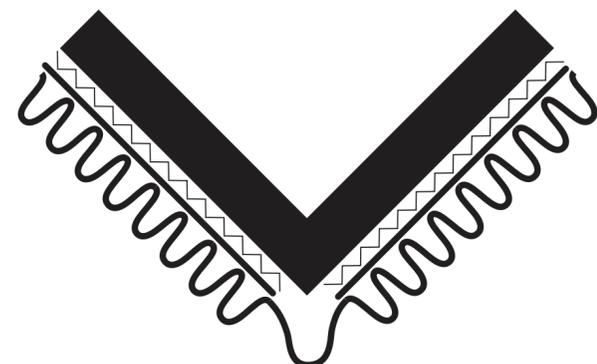
CORNER DETAILS

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

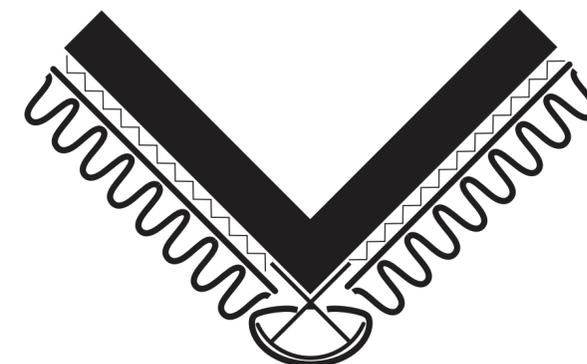
2.1 Internal Corners are improved by putting a relief cut in the backing material.



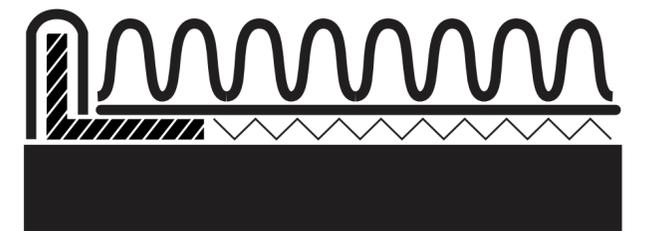
2.2 External Corners are also improved by the addition of a relief cut in the backing material.



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

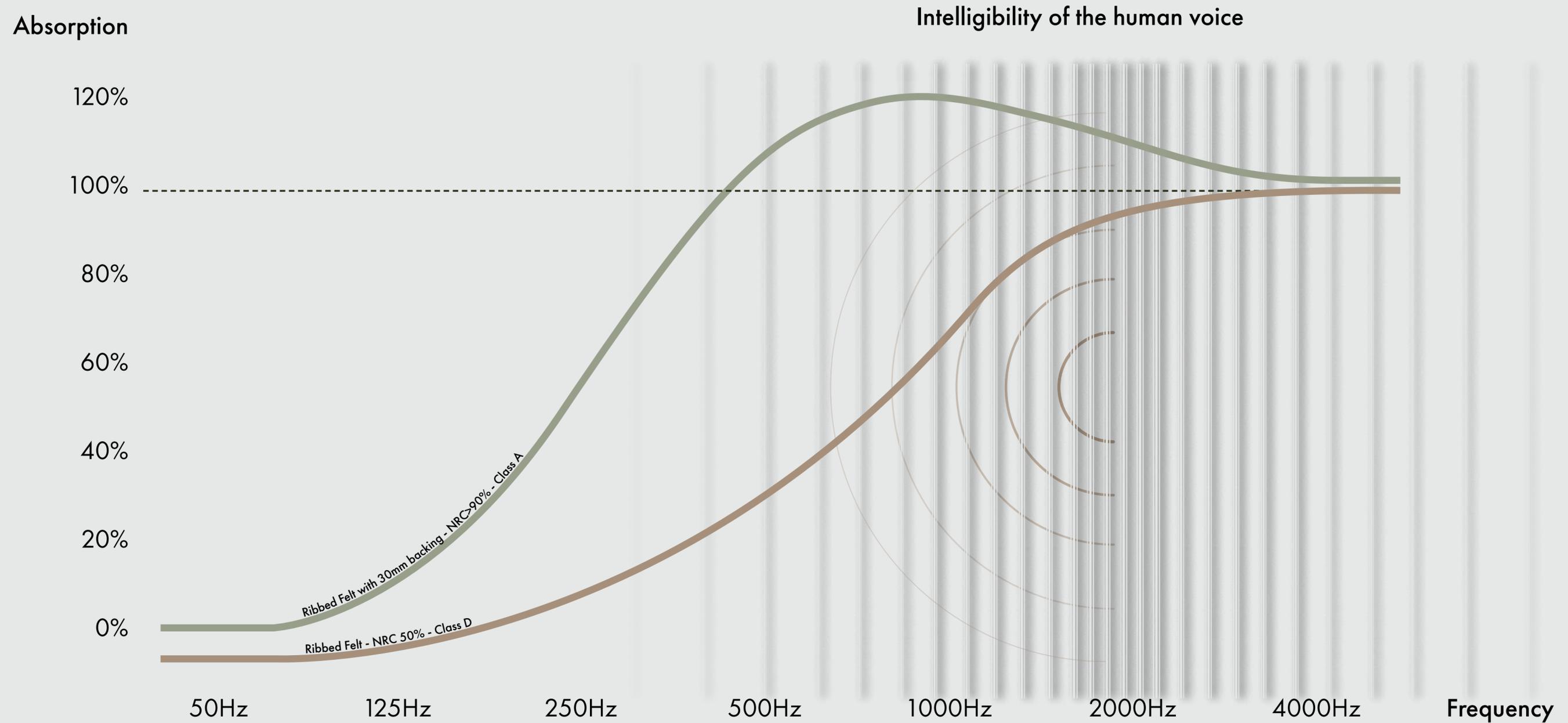


2.4 End Stop can be produced to match the rib size and material choice. These can also be mitred to create framing around doors and other penetrations.



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.

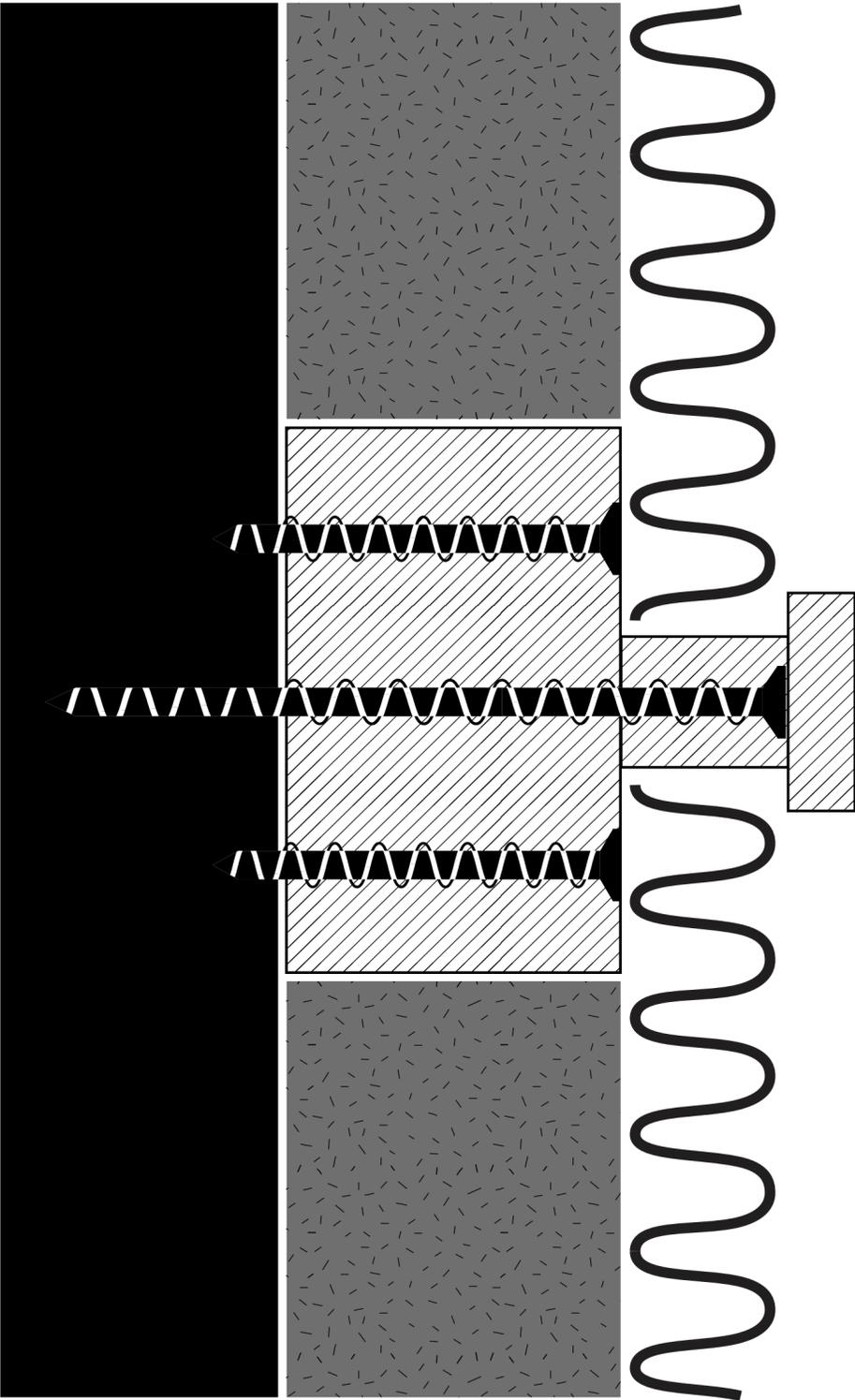
ACOUSTIC DETAIL

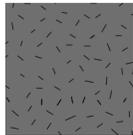
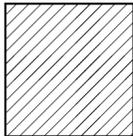
Applied direct to walls the acoustic performance of the ribbed materials is Class C or D. For greater absorption additional backing is required to absorb bass energy.

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.



-  Cellofoam 615
-  Timber detail
-  Wall

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 (when in conjunction without 30 mm recycled foam backing).	
Synthetic Felt			
Wool Felt			

CONTACT DETAILS



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