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Solid Textile Board

Acoustic Textile Felt

Really.



About Really

Responding to the urgent global issue of waste, Really upcycles textiles to create materials that challenge the design and architecture industries to rethink their use of resources and to design their products with a circular economy in mind.

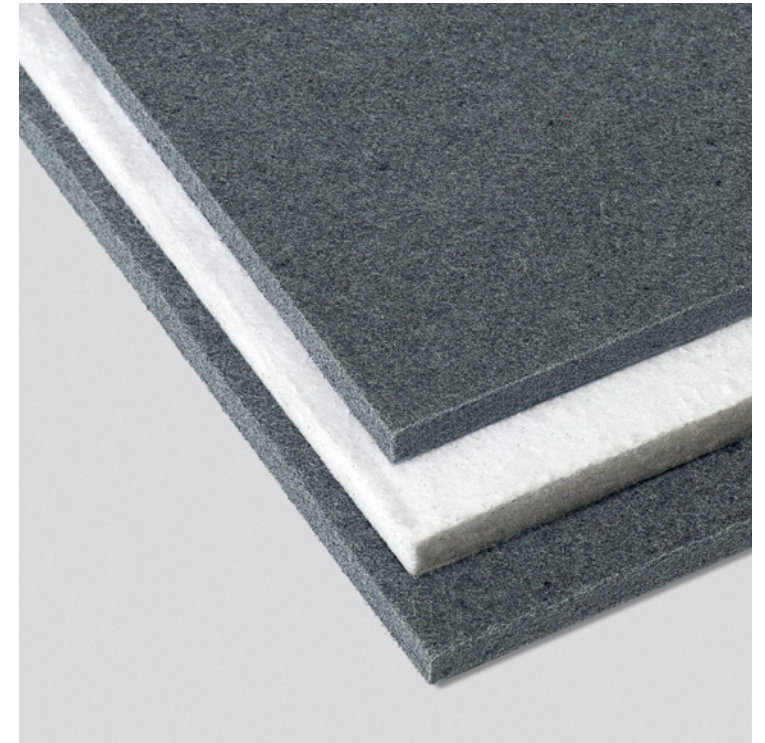
Solid Textile Board and Acoustic Textile Felt by Really are high-quality engineered materials made from end-of-life cotton and wool that is sourced from fashion and textile industries, industrial laundries and households. The manufacturing does not involve the use of dyes, water or toxic chemicals and generates only recyclable waste. The material used can eventually be re-granulated and formed into new felt and boards.

As a champion of circular design, Really encourages innovative concepts that prolong the lifespan of textile resources. Our ambition is a no-waste solution.

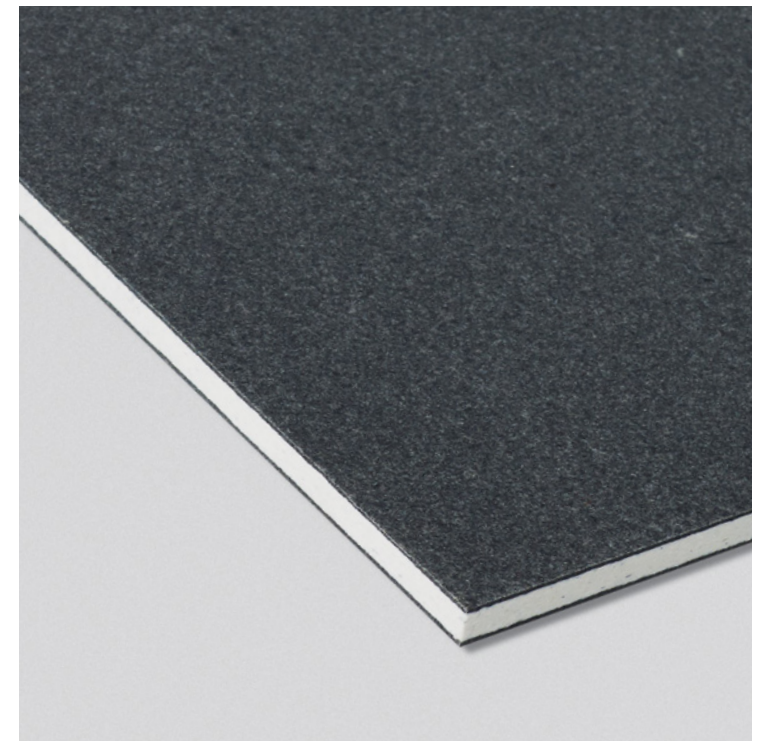


Milled Fibers

Acoustic Textile
Felt Forming



Solid Textile
Board Forming





Solid Textile Board

Material specifications
Solid Textile Board can be an alternative to a variety of existing materials, depending on the application. Its mechanical properties allow it to be used as a substitute for wood and composites in furniture and architecture. Its tactility and unique aesthetics make it a decorative alternative to a variety of materials such as stone, wood, plasterboard and masonry.

The composition of Solid Textile Board reflects the availability of textiles waste streams. It is made of cotton and wool, as these textiles are typically downcycled in existing recycling processes. The core of Solid Textile Board is made of end-of-life white cotton. Colours are added as an outer layer.

Solid Textile Board is available in four colours: Cotton White, Cotton Blue, Wool Slate and Wool Natural.

<i>Material</i>	<i>Thickness</i>	<i>Sizes</i>	<i>Density [kg/m³]</i>	<i>Composition</i>
Cotton White Cotton Blue	7,8mm ± 0,4mm	3000 x 1100mm	1200 ± 50	70% textile 30% thermoplastic
Wool Slate Wool Natural	7,8mm ± 0,4mm	3000 x 1100mm	1200 ± 50	70% textile 30% thermoplastic

Processing

Solid Textile Board can be processed with woodworking tools. We have listed some general guidelines to help achieve a great result.

Cutting

Solid Textile Board is a high-density textile material and it is therefore important to use sharp tools to avoid pulling the fibres and thereby causing the edges to fray.

We recommend cutting the material with a hard metal blade, using an overlay to minimise frayed edges. Only cut one sheet at a time.

Drilling and milling

Being a textile material, drilling and milling in Solid Textile Board will create lint rather than pull shaves. Hence, it is key to keep your tools clean while processing the material in order to avoid clogging and build-up of heat, which in turn may cause discolouration on the material.

Sanding

If sanding is done perpendicular to the surface, there is a risk of pulling the fibres, which will result in a frayed surface. Therefore, we recommend that the material is always sanded at an angle, using fine-grained sandpaper (grain 320 and up).

Fastening

Solid Textile Board has good screw and nail withdrawal properties. Pre-drilling is recommended when using screws.

Gluing

The material has excellent binding properties to most adhesives, including hot-melt and wood glue. Standard wood glue, e.g. Dana Lim Wood Glue D2 Indoor 490, is recommended for most purposes.

Laser cutting

Solid Textile Board responds well to both cutting and engraving. We recommend seeking guidance by professionals, as results may vary depending on the setup.

Please note

Solid Textile Board comes with a protective foil that has to be removed before the material is processed.



Surface treatment and finishing

Solid Textile Board resembles wood and can generally be treated the same way. Depending on the intended use, Solid Textile Board may need surface finishing. We recommend applying a finishing treatment if the material will be used as a horizontal surface where moisture and dirt may sit on the surface for extended periods of time.

Surface finishing should be handled by professionals.

Really recommends the following surface treatments and finishing.

Lacquer

Most lacquers applicable for wood can be used with Solid Textile Board. The quality of the finished surface, the tint of the treated material and abrasion resistance will depend on the choice of lacquer and method of application.

Different types of clear lacquers will affect the colours of Solid Textile Board differently. Many lacquers for wood will leave a yellow tint, notably on Cotton White. Most lacquers will slightly darken and increase the depth of the colour.

We recommend using PU lacquers that, to our experience, leave colours true with a minimum of distortion and create a smooth and durable surface. For further information on recommended lacquers and application guidelines, please see the Surface Treatment Guide for Solid Textile Board.

Wax

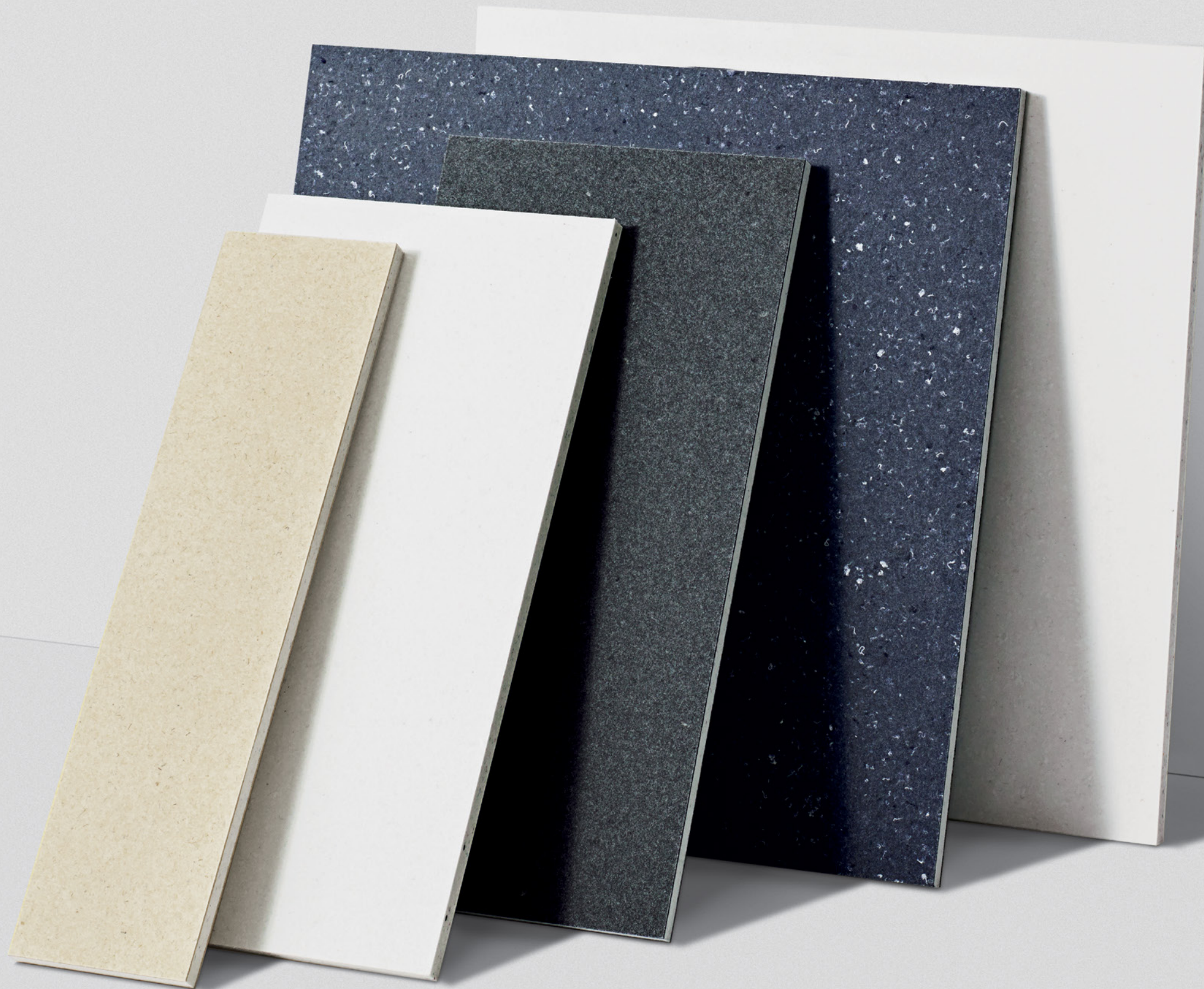
Most wax applicable for wood can be used with Solid Textile Board. The quality of the finished surface, the tint of the treated material and abrasion resistance will depend on the choice of wax and number of layers applied. Different types of wax will affect the colours of Solid Textile Board differently. In general, wax will leave the colour of the material slightly darkened. If a colourless wax is applied, discoloration should not be an issue. Surface shine and smoothness can be varied with the level of polishing.

We recommend using a liquid wax for Solid Textile Board. For further information on wax treatment, please see the Surface Treatment Guide for Solid Textile Board.

Please note

When applying coatings, it is important to treat both the sides and the edges. Failing to do so may cause deflections, due to uneven absorption of moisture.

For further information and details about Solid Textile Board, including processing, surface treatments and finishing, please visit www.reallycph.com



Acoustic Textile Felt

Material specifications
Acoustic Textile Felt is as sound-absorbing as it is decorative. Made from the same process as Solid Textile Board, the felt resembles the unique aesthetics of the board, but has a soft feel and an even stronger reference to the tactility of textile.

Its soft, yet resilient nature allows for shaping and sculpturing the material, providing a high degree of freedom when designing. Acoustic Textile Felt can substitute a variety of existing materials for sound absorption. It can be used with a minimum of processing due to its simple and aesthetic look.

Acoustic Textile Felt is made of cotton and wool, as these textiles are typically downcycled in existing recycling processes.

The felt is available in four colours: Cotton White, Cotton Blue, Wool Slate and Wool Natural.

Material	Thickness	Sizes	Density [kg/m³]	Composition
Cotton White Cotton Blue	10mm ± 1mm	3050 x 1180mm	100 ± 5	70% textile 30% thermoplastic
Wool Slate Wool Natural	10mm ± 1mm	3050 x 1180mm	100 ± 5	70% textile 30% thermoplastic

Processing

Acoustic Textile Felt is tough and durable, yet soft. It can be used for creative purposes as it is easily processed with a sharp blade or laser cutting and engraving, leaving endless possibilities for geometries and patterns.

Cutting
The felt can be cut with a table saw or a knife. We recommend using a sharp blade to minimise frayed edges. Only cut one sheet at a time.

Laser cutting
The felt responds well to both cutting and engraving. We recommend seeking guidance by professionals, as results may vary depending on the setup.

For further information and details about Acoustic Textile Felt, including processing, surface treatments and finishing, please visit www.reallycph.com

**Upcycled
textiles**

**Engineered
materials**

**Designed for
circularity**

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