

Manufacturing & quilting Guidelines

Processing Information

Wool is a natural product with exceptional inherent qualities. lavalan[®] wool insulation can typically be processed like comparable synthetic insulations. To ensure high functionality and in order to maintain lavalan[®] wool insulations appearance, we recommend following our manufacturing and quilting guidelines.

Design and Washability

Garments manufactured with lavalan[®] wool insulation do not require regular washing. A considered product design can ensure the longevity of the garment.

The washability and care instructions of a garment depends upon the selected outer and lining fabrics and garment quilting.

We highly recommend garment wash tests. It is the responsibility of the brand to ensure that the recommended care instructions takes into consideration lavalan[®] washability.

Outer Fabric and Lining

When choosing the outer and lining fabrics, select suitable fabrics which best avoid fibre migration. With suitable fabric selections and quilting, a garment wash temperature of up to 40° Celsius is possible. The recommended wash temperature is 30° Celsius. We recommend following the care instructions and ensure the correct stipulation on the care label.

Advice and Handling Information

The dimensional stability of an unquilted, nonwoven is limited. Due to the production process, the nonwoven shows fibre orientation. In order to avoid visual and functional limitations, please be aware that during the cutting process, elasticity and shrinkage may vary. In addition, extreme tensile stress can result in width or length loss.



Needles & Threads

- Use very thin needles (70–90 micrometers).
- We recommend monofilament yarns for quilt stitching. Multi-filament yarns have a tendency to promote fibre migration.

Fabrics

- Fibreproof fabrics are sufficient to avoid migration, downproof is not needed.
- Air permeability of fabrics: about 8 CFM maximum.
- Fibre migration tests are recommended especially with highly breathable fabrics .
- In case you face migration issues, we offer a 24 g scrim made from corn based PLA fibres that might help to avoid migration.
- Avoid transparent fabrics as small vegetable matter in the insulation can be visible.

Quilting Distances

lavalan sport, lavalan plus, lavalan pro, lavalan stretch: 60–250 g

- very light quilting is recommended
- quilting distance: no more than 40 cm

lavalan sport: 40 g, lavalan pure: 150–250 g

- light quilting is recommended
- quilting distance: no more than 20 cm

lavalan pure: 90 and 120 g

- regular quilting is recommended
- quilting distance: no more than 10 cm

Very heavyweight outer and lining fabrics can result in the abrasion of lavalan[®] wool insulation. We recommend tighter quilting distances to overcome this. In addition to our quilting guidelines, we highly recommend garment wash and wear testing.

Storage

We recommend to store the lavalan rolls in a horizontal position (not standing) to avoid any deformation.

Tension during roll off

- Care should be taken to minimize tension on the insulation product during roll off.
- This is in particular valid for all lavalan pure products and lavalan sport in 40 g.
- This will avoid stretching and help maintain the accurate weight of your lavalan[®] insulation.

Care Instructions



- lavalan[®] is machine washable up to 40° C in the gentle wool cycle and with wool detergent only, but we recommend 30° C.
- No bleaching. No tumble dry. No ironing. Gently clean with perchlorethylene.