

karuun® 3D info sheet

karuun® is a natural product obtained from the rattan palm whose modification consumes very little energy.

karuun® stripe has unique properties. Its typical linear fibre structure means that no visible joints are left from the processing stage, unlike conventional veneer.

Thanks to a patented technique it's possible to incorporate a unique striped pattern in the material according to colour preferences. Its aesthetic grace presents completely new design possibilities.

The material's parallel fibre structure creates a distinctive dynamic. Either as a cross-glued variation or in combination with a special nonwoven fabric, the innovative material allows an unprecedented three-dimensional formability. In contrast to classic veneers, spherical objects can be easily produced as well.



Design

black stripes	0,8
red stripes	0,8
blue stripes	0,8
natural	0,8
individual stripe colour	0,8

Custom sizes upon request!

Thickness (mm), with nonwoven backing, prepolished

Dimension (mm)

upon request

How to use

karuun® 3D is usually joined together to form wide sheets prior to cross-gluing or be covered in nonwoven fabric. The lamination is a cellulose nonwoven fabric. The cellulose nonwoven fabric can briefly tolerate temperatures exceeding 220 degrees Celsius, e.g. during compression moulding.

We recommend you perform a test when the material is first used in order to find the right balance between pressing time, temperature and pressure.

The standard thickness of the material is 0.9mm: 0.8mm karuun® and 0.1mm laminating material. If the material is polished, the minimum final thickness should be no less than 0.4 mm (excluding lamination).

Specifications:

Density (product): +/- 400 kg/m³
 Differential swelling tolerance: n/a
 Moisture content: 10% at 20°C - 65% relative humidity Brinell
 Hardness: n/a
 Emission class: class E0 (<0.025mg/m³)*
 Use class: class 1 (EN 335)
 Lamination: cellulose nonwoven fabric

All dimensions are approximate dimensions!
 karuun® is a natural material, color deviations can not be excluded!

*

The E0 class is used to identify products bonded with formaldehyde-free glues and to indicate products with very low or non-measurable emissions without an official class. E0 products are automatically qualified as E1 products according to EN 717-1.