

MUTO GRID | TECHNICAL DATASHEET

Status: May 2021 // Subject to changes and typographical errors without notice

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DESCRIPTION

MUTO GRID is created from individual, pre-sanded sheets of veneer. The collection consists of different wood species. These are a decorative multilaminated real wood veneer (also called Fineline) and oak veneer with a striped look.

WEIGHT AND COMPOSITION OF FINELINE

Poplar Wood, Ayous Wood or Basswood: 70-80%

Resins: 16-26%

Dyes: < 1%

Moisture content: min 4%- max 14%

Being a wood product, Fineline's moisture content may vary depending on environmental conditions during transport and storage.

LIGHT FASTNESS

MUTO GRID is not a finished product and therefore its resistance to light in part depends on the cycle and chemical nature of the finish. We advise that discoloring may occur. It is recommended to perform advance tests depending upon the particular purpose and intended use in order to optimize results.

MECHANICAL SPECIFICATIONS

The mechanical characteristics of MUTO GRID depend on the cycle and chemical nature of the finish and the type of backing. It is recommended that the buyer perform prior tests depending upon the particular purpose and intended use in order to optimize results. In the case of composite elements which do not have a homogeneous structure, we cannot accept any warranty for distortion.

COLOR AND STRUCTURE

As it is a natural product, the actual colour and wood grain may vary slightly.

STORAGE

The moisture content may vary depending on storage and factory conditions. Therefore we recommend to store the veneer at a humidity of 40% to 70% (rH) and a temperature of +20°C.

GLUEING WITH UREA GLUES

MUTO GRID can be glued to all wood surfaces with urea glue. The different surfaces must be tested and analysed on an individual basis. The amount of adhesive required per square metre depends on the nature and thickness of the substrate, the veneer structure (longitudinal wood, root wood, etc.), the veneer thickness and the contact pressure. We generally recommend not to use more than 150 g/qm adhesive at a contact pressure of 1.5 to 5 bar. The recommended temperature for veneering is between 85°C and 120°C. The adhesive can be mixed with organic or inorganic binders to influence its rheological properties. This prevents the veneer from penetrating through the layers. Fineline products with the Linde base wood should be glued to the corresponding substrate with at least 120-140 g/sq.m. urea adhesive.

SANDING

Single veneer strips, which are plaited to MUTO GRID, are pre-sanded. The sanding process is performed with grain sizes of 100, 120 and 150.

VARNISHING

As with all other types of wood, MUTO GRID must be varnished with a suitable product. The selected varnish should be able to preserve the wood in the best possible way and protect it from chemical and physical decomposition (light ageing, thermal decomposition) and from mechanical damage (scratches, shocks, etc.). MUTO GRID can be stained without any particular problems, which is even expressly recommended for better lightfastness. MUTO GRID can be painted with all products and methods recommended for wood treatment.

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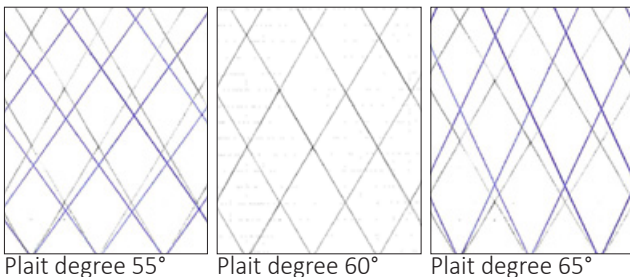
However, the best results are obtained with products that have the following characteristics:

- High degree of wettability
- Strong anti-yellowing properties
- High UV protection factor

In the case of water-based varnishes, care should be taken to ensure that the product has a certain stability at an acid pH value (4 to 6), as is the case with products specially developed for acid hardwood. It is highly recommended to follow the manufacturer's instructions and test the varnish before varnishing.

GEOMETRIC SHAPES

Due to the handmade production, there may be deviations in the individual designs for each production batch. This applies both to the distances between individual veneer strips (possible offset of up to 2 cm) and to the degree of plaiting, which in the case of diagonally braided veneer strips can be approx. $\pm 5^\circ$ offset (see illustration).



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