

MUTO GRID | TECHNICAL DATA SHEET

Subject to changes and typographical errors without notice.

DESIGNATION

MUTO GRID is produced from individual, pre-sanded veneer sheets. It is a decorative multilaminated real wood veneer – Fineline.

WEIGHT AND COMPOSITION

Poplar Wood, Ayoux 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.

WOOD DENSITY

450-900 kg/sq.m. (measured in compliance with standard IS9427)

FORMALDEHYDE EMISSIONS

In compliance with E1 (analyzed according to EN 717). On request there are two levels of formaldehyde emissions below the E1 standard: BE - Fineline with a formaldehyde emission level equal to a fraction of the E1 standard. ZeroF - Fineline without added formaldehyde. It is in any event impossible to guarantee a complete absence of formaldehyde in Fineline wood veneers as formaldehyde is a naturally-occurring substance in wood.

LIGHT FASTNESS

Fineline 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 Fineline 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 Fineline is a natural product, the actual colour and texture may vary slightly.

STORAGE

Fineline consists mainly of wood. Therefore, 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

Fineline can be glued to all wood surfaces with urea glue. The different surfaces must be tested and analysed on a 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. 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 Fineline 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

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physical decomposition (light ageing, thermal decomposition) and from mechanical damage (scratches, shocks, etc.)

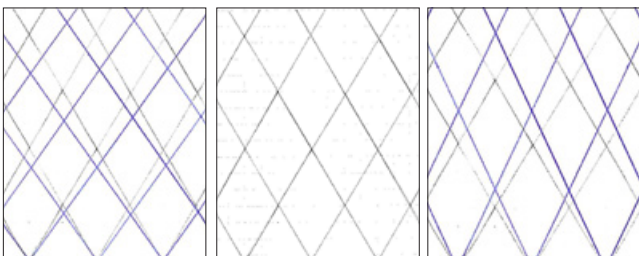
MUTO GRID can be stained without any particular problems, which is even expressly recommended for better lightfastness. MUTO GRID can be painted with all products and methods recommended for wood treatment. However, the best results are obtained with products that have the following characteristics:

- 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 below).



Plait degree 55° Plait degree 60° Plait degree 65°