

Engineered Veneer Technical Data

This document details the specifications for our engineered veneer product.

Product Specifications:

- Species: Engineered Veneer (Poplar, Ayous, and/or Basswood)
- Dimensions:
- Thickness: 0.5 mm
- Width: 640 mm (+/- 10mm)
- Standard Length: 2500mm (Usable width: 290mm)
- Density: 450 - 900 kg/m³
- Average Weight Composition:
- Poplar, Ayous, and/or Basswood: 74%
- Resources: 22%
- Dyes: 1%
- Plastic: 3%

Applications:

This veneer is suitable for a wide range of interior applications, including:

- Door and furniture surfaces
- Interior architectural surfaces and facings
- Hotels, apartments, residential complexes, shops, retail outlets, offices, and public spaces
- Flooring, window and door frames, wall paneling, and acoustic paneling
- Yacht and cruise ship interiors
- Automotive dashboard surfaces and interior furnishings
- Various objects

Processing Information:

- **Veneering & Gluing:** This reconstituted veneer can be glued to various wood backings using urea glues. Testing different backing materials is recommended. The amount of glue (generally up to 150 g/m²) and pressure (0.5 to 5 bars) depend on the backing, veneer cut (quartered, tangential, burl, etc.), veneer thickness, and pressing method. Recommended veneering temperature is between 85°C and 120°C. Organic or inorganic fillers can be added to the glue to control bleed-through.
- **Sanding:** Due to the presence of pearlescent components, careful sanding is crucial. Aggressive sanding can damage the surface. For automatic sanding, optimize the following parameters: sandpaper grit (150-220), contact pressure, feed speed, and belt speed. Testing the entire sanding process is recommended.
- **Drying:** Slow drying is essential to prevent deformation and warping.
- **Surface:** The veneer has a medium to very hard, fibrous, typically straight grained, and sometimes figured surface. It is compatible with most varnishes, and polishing is recommended after sealing.

Storage:

As a wood-based product, the veneer's moisture content can fluctuate. Store it in a controlled environment with a relative humidity between 40% and 70% and a temperature of approximately 20°C. Store the product flat, at least 200mm off the ground.

Important:

Avoid contact with water and other liquids. Protect the product surface from moisture.