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RAUKANTEX wood

Technical Information



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RAUKANTEX – Technical information

1. Suitability

RAUKANTEX wood edgebands are suitable for covering the edges of substrate boards in the furniture industry.

2. General information

RAUKANTEX wood edgebands consist of single- or multi-layer wood veneer sheets and, depending on the version, are available as

- thin-veneer edgebands (single-layer finger-jointed veneer sheets of 1 mm thickness),
- thick-veneer edgebands (multi-layer laminated finger-jointed veneer sheets of 2 mm thickness) or
- end grain edgebands (two veneer layers with sanded finish. 1.2mm thick supplier on a roll).

RAUKANTEX wood edgebands are not intentionally pre-tensioned. Due to the hygroscopic properties of real wood, slight curving may occur.

The surface of RAUKANTEX wood edgebands is smooth, free of blemishes and ready to be finished. The front is sanded with a grit size of 180. The back is sanded with a grit size of 40, for easy bonding, and is supplied with primer already applied (exception: wood-grain effect edgebands). As wood is a natural product, different properties and wood type-specific characteristics like small knots, slight colour variations and gloss variations may arise.

The individual veneer layers of RAUKANTEX wood edgebands are glued with a dispersible PVAc and are water resistant in accordance with Classification D3 for wood glues.

2.1. RAUKANTEX wood with functional layer

REHAU offers veneer edgebands with standard adhesive "PREGLUED" and "PLUS" functional layer for zero-joint edging. The customer checks the suitability of the coated RAUKANTEX wood edgebands in consultation with the respective machine manufacturer. Properties and process parameters can be found in the REHAU processing instructions.

3. Processing instructions

RAUKANTEX wood edgebands are suitable both for processing centres and for conventional straight line edgeband gluing machines.

Hot-melt adhesives such as EVA, PUR, PA and PO as well as dispersion adhesives are suitable for bonding the edgebands. Depending on the adhesive system used, parameters like room temperature, material temperature, adhesive temperature, feed rate, application quantity and pressure must be taken into account.

General cutting speeds for woodworking apply for trimming and radius milling.

Veneer edgebands can be finished in accordance with the same guidelines which apply for veneer surfaces.

Radius flexibility is to be checked through trial processing.

4. Storage

We recommend storing RAUKANTEX wood edgebands horizontally and fully supported at 20°C and a relative humidity of 50 to 60%. Should the residual humidity of the wood drop below 7%, the wood can break while being processed. Additionally, the veneer edgeband should not be subjected to UV radiation so as to prevent discolouration. Should it not be possible to comply with the storage conditions, especially during the winter, we recommend storing the edgebands in foil. Conditioning of the edgeband and board components prior to processing is the responsibility of the end user.

5. Tolerances

RAUKANTEX wood edgebands are supplied with the following tolerances:

- Width: +/- 0.5 mm
- Thickness: +/- 0.2 mm or +/- 0.1 mm for thin-veneer edgebands

6. Scope of supply, packaging and the environment

Rolls of 50 m length are offered as standard. Thin- and thick-veneer edgebands are also available in 100 m rolls. End grain edgebands can also be supplied in lengths of 25 m.

Roll length	1 mm thin-veneer edgeband	1.2 mm end grain edgeband	2 mm thick-veneer edgeband
25 m	–	✓	–
50 m	✓	✓	✓
100 m	✓	–	✓

Standard rolls are delivered with an internal core diameter of 400 mm.

RAUKANTEX wood has a residual humidity of around 10% when packaged. Veneer edgebands are not hazardous. Veneer edgebands are also free of formaldehyde, contain either no solvent, or very little solvent and meet the requirements of emission class E05.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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© REHAU Industries SE & Co. KG
Rheniumhaus, Helmut-Wagner-Straße 1
95111 Rehau

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