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Furnierkanten GmbH furwa

Furwa's Special Edges for Frameless Honeycomb Boards 03/2010

Furwa has developed special edges for different requirements for the processing of frameless honeycomb boards. All edges are customized to the specifications of the divers board types and the user's processing procedures.

Type 1:
Face Veneer Edge 2 mm with Cross Inlay
Face-quality veneer edge with double or triple compression strength
Structure: Top veneer 0.5 mm / Cross inlay 1 mm / Blind layer 0.5 mm
Used as top veneer edge for the application in the field of extremely thick boards with supporting edge, or without supporting edge in the field of thinner board dimensions. We can vary the thicknesses and the structures in a range from 1.5 to 3 mm.

Type 2:
Supporting Veneer Edge 2 mm
Complete Veneer Structure
Structure: Beech longitudinal 0.5 mm / Cross inlay 1 mm / Beech longitudinal 0.5 mm
Both sides of the edge are roughened for an easier gluing process, or can be equipped with primer (according to the requirements the material thickness can vary from 1.5 to 3.0 mm).

Type 3:
Supporting Veneer Edge to Cut-to-size 2 mm +
Complete Veneer Structure
Structure: Top Fineline longitudinal 1 mm / Cross inlay 1 mm / Beech longitudinal 0.5
Reverse side is roughened for an easier gluing process. Due to the thick top layer re-cutting to size after the gluing of the edge is possible without damaging the crucial cross inlay.

Type 4:
Supporting Veneer Edge "PapaCro" approx. 2.5 – 3.0 mm - no longer available
Structure: Cardboard approx. 1 mm / Cross inlay 1 mm / Cardboard approx. 1 mm

Type 5:
Supporting Veneer Edge "Melacross" 1.3 – 1.5 mm
Structure: Melamine basic layer / Cross layer veneer 1 mm
The melamine basic layer is more expensive compared to cardboard carriers; however, it offers cleaving resistance.
Melacross is suitable for BAZ. Flexibility and strength can be influenced by the one-sided structure, and thus by the different gluing directions. Small outer radii of boards (even smaller than 1 inch) can be additionally equipped with supporting edges in the BAZ process by means of this edge.

Type 6:
Supporting Veneer Edge "PaCro 1.5" - no longer available
Structure in 1.5mm: Cardboard basic layer / Cross veneer layer 1 mm

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Type BAZ:

Supporting Veneer Edge for BAZ (Boards Thickness up to 100 mm, Radii > 30 mm)

Structure: Fleece VC / double Cross inlay veneer 1 mm / Fleece VC

Due to the fleece's high tearing resistance on both sides of the cross inlays, and due to the application of 2 cross inlays, a very high compression strength and at the same time good flexibility of inner radii and outer radii (smaller than 1 inch) is achieved with this edge. Thus this supporting edge is perfectly suitable for the processing in the BAZ.
The structure of the cross inlays can be changed depending on the necessary compression strength: cost reduction or increased compression strength according to the requirements.

In this excerpt, we only describe some possible options for edges used as supporting edges and structures for outer edges in order to demonstrate Furwa's possibilities. The edges should be adapted to the various board thicknesses and board processings, because only then the best cost-performance ratio can be achieved. The special merits of all of these edge types are that they are extremely dimensionally stable due to the special cross inlays, and thus are able to absorb increased compressive forces. Based on the cross inlays, practically all edge types do not show any swelling behaviour or shrinking behaviour as well as hardly any behaviour towards extension and contraction under thermal load.

Please discuss special requirements and exact equipments with us.

Type FPY:

Supporting Veneer Edge based on Thin Particle Boards for Edge Banding Machines:

Structure: Veneer / Thin particle / Veneer
Fleece VC / Thin Particle / Fleece VC

We adapt our supporting veneer edge Type FPY as required depending on the machines and the used technique. For re-cutting to size we can use a thicker veneer layer as a top layer. Depending on the desired flexibility, we offer divers options. We can also dispense with reinforcing one side in order to achieve a very inexpensive version; however, we reach the desired supporting strength nevertheless.

Please discuss special requirements and exact equipments with us.

We would be glad to introduce all possibilities to you.

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