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# On the craft side

We believe that you, carpenters, have a great job. You create things to be proud of. We are here to help your work bring you more joy and less stress. We help you with choices and application of furniture edges and subsequent care.

Hranipex began in 1993 as a small family business and grew into one of the world's five largest edging manufacturers. However, we are still a family-run business from Vysočina. We pride ourselves in the quality of our products, first class services, speed, reliability and a personal approach to all our customers, both small and large.



# Furniture edges

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# ABS edges

ABS edgings are suitable for all kinds of furniture. The colours and textures of our ABS edges can be used on straight and curved surfaces and range in different widths and thicknesses.

## ● What is an ABS edge?

ABS is an industrial copolymer resistant to mechanical damage, humidity as well as low and high temperatures. It is easy to process, does not contain toxic substances and is recyclable.

### Types of ABS edges

- plain colours
- woodgrains
- softmatt woodgrains

### Options

- with glue and without glue
- in standard widths also in the width of a jumbo roll

### Basic surface finish

- smooth
- pearl
- pore

## ● Treatment

### @\_ Thickness 0.45 - 0.7 mm with the applied hot melt adhesive:

- Glue on the edge using a manual adhesive pistol with hot-air gun (e.g. Virutex).
- Use a hand cutter or chisel to trim the edge in the standard way (similar to the melamine edge).

### @\_ Thickness 0.45 - 3 mm without glue, machine edging

- The edge is fed into the machine that glues as well as treats the edging.

### @\_ Thickness 0.45 - 3 mm without glue, the manual edging

- **A: Using contact adhesive**
  - Apply the adhesive with a brush or spray on both the piece and the edge. Allow to dry for 2 - 5 minutes.
  - Apply another layer of adhesive on the edge and the piece and leave it to dry again.
  - Press the edge onto the furniture part.
  - Process the edge of thickness 0.45 - 0.8 mm by cropping. Stronger edge, 1 - 3 mm, cut using a router.
- **B: With the help of a manual edging machine**

### @\_ Thickness 0.45 - 3 mm applied with special functional layer

- By professional laser edging machine.

### @\_ Thickness 5 mm without glue, machine edging

- With the help of quality edging machines designed for the treatment of edging in bars.

## ● Order quantity

### @\_ ABS edging 0.45, 0.7 and 0.8 mm:

- rolls without glue 200 m
- rolls with glue 50 m
- minimum order quantity is 1 m

### @\_ ABS edging 2 mm:

- rolls 100 m
- minimum order quantity is 1 m

### @\_ ABS edging 1 and 2 mm:

- slitting of a jumbo roll from 12 mm

### @\_ Plain colours 1 mm:

- rolls 150 m
- minimum order quantity is 1 m

### @\_ ABS edging in the width of the jumbo roll:

- rolls 100 - 400 m
- minimum order quantity is 1 m

### @\_ ABS edging UNI colours:

- Option of lacquering - smooth surface:
- 0.7 and 0.8 mm to gloss level 10 - 50°
- 1 - 3 mm to height of polish 90°

### @\_ Woodgrains 1 mm:

- rolls 200 m
- minimum order quantity is 1 m

### @\_ ABS edging 0.45; 0.7 and 0.8 mm:

- slitting of a jumbo roll from 16 mm

### @\_ ABS edging in all available thicknesses:

- the option of application of glue from 12 to 160 mm
- option application of functional layer on ABS edgings from width 12 mm up to 65 mm

# Edge design

Design the edge where you want to create a distinctive aesthetic element of your furniture from the edge. There are many ways to do it.

## Types of design edges

### → End-Grain

Edges imitating the wood cross-section.

### → High gloss

High gloss ABS edges.

### → Extra matt

Deep matte ABS edges.

### → Senosan Acrylic sheet Gloss / Matt

ABS edges with acryl high gloss/deep matte foil. Edges 100% identical to flat Senosan material.

### → Acryl 3D edging

Acrylic edges which create a 3D effect on furniture edging.

### → Acryl 3D with the glass effect

Acrylic edges that imitate glass.

### → ABS edges with ALU foil

Edging where aluminium foil in different colours is applied to the ABS plastic base.

## ● Working with Acryl 3D edges

### @\_ Thickness 1 and 2 mm without glue, machine edging

- The edge is fed into the machine that glues as well as treats the edging.

### @\_ Thickness 1 and 2 mm without glue, manual edging:

- **A: Using contact adhesive**
  - Apply the adhesive with a brush or spray on both the piece and the edge. Allow to dry for 2 - 5 minutes.
  - Apply another layer of adhesive on the edge and the piece and leave it to dry again.
  - Press the edge onto the furniture part.
  - In the end cut down the edge with a router.
- **B: With the help of a manual edging machine.**

## ● The ABS edging with an aluminium foil

- Are treated in the same way like the common ABS edging.

We recommend treating edging with the thickness of 2 mm in edging machines without milling of the radius, in the so called straight way, which provides for the best possible aluminium effect.

## ● Order quantity

### @\_ Acryl 3D 23 x 1 mm and 23 x 2 mm:

- rolls 75 m
- minimum order quantity is 1 m

### @\_ ABS edging with aluminium foil 1 mm:

- rolls 200 m
- minimum order quantity is 1 m

### @\_ End-Grain 23 x 1 mm and 42 x 1 mm:

- rolls 100 m
- minimum order quantity is 1 m

### @\_ Acryl 3D with the glass effect 24 x 1 mm

- rolls 150 m
- minimum order quantity is 1 m

### @\_ ABS edging with aluminium foil 2 mm:

- rolls 100 m
- minimum order quantity is 1 m

### @\_ High gloss in standard thicknesses and widths and in the full roll width - dominant thickness 1 mm:

- rolls 150 m / 200 m
- minimum order quantity is 1 m

### @\_ Acryl 3D 43 x 2 mm:

- rolls 50 m
- minimum order quantity is 1 m

### @\_ ABS edging with aluminium foil 0.5 mm:

- slitting of a jumbo roll from 16 mm
- the option of application of glue to the width from 12 mm to the width of the jumbo roll

### @\_ Extra matt 23 x 1 mm and 42 x 1 mm:

- rolls 150 m / 200 m
- minimum order quantity is 1 m

### @\_ ABS edging with aluminium foil 0.5 mm:

- rolls without glue 200 m
- rolls with glue 50 m
- minimum order quantity is 1 m

### @\_ ABS edging with 1 and 2 mm thick aluminium foil:

- slitting of a jumbo roll from 12 mm

### @\_ Senosan Acrylic sheet Gloss / Matt 23 x 1 mm and 45 x 1 mm:

- rolls 200 m
- minimum order quantity is 1 m

# A Surfaces

Types	⊗ 100 → smooth	⊗ 105 → wavy woodgrain pore	⊗ 109 → pore SU	⊗ XD → 10D pore
	⊗ 101 → pearl	⊗ 106 → straight woodgrain pore	⊗ XA → pearl DC	⊗ XE → pearl DP
	⊗ 103 → woodgrain pore	⊗ 107 → soft pearl	⊗ XB → 10B pore	⊗ XF → pore line
	⊗ 104 → rustic woodgrain pore	⊗ 108 → glossy pore	⊗ XC → 10C pore	⊗ XG → XG pearl

# B Slitting atypical dimensions

## B 1 ABS edges

Thickness ⊗	Plain colours	Woodgrains	End-Grain	High gloss	Extra matt	Senosan acryl foil - gloss/matt	Atypical width	Minimum order quantity	Ordered quantity tolerance	Note
0.45 mm	×	×					16 - 200 mm	200 m	±10 %	We cut the entire width of the block.
0.7 mm	×						16 mm - width of roll	200 m		Only for entire rolls.
0.8 mm	×	×					12 mm - width of roll	200 m		
1 mm	×	×	×	×	×	×		150 m		
1 mm	×			×	×			75;		
2 mm	×	×						100m		

## B 2 Design edges – ABS edges with aluminium foil

Thickness ⊗	Decor	Atypical width	Minimum order quantity	Ordered quantity tolerance	Note
0.45 mm	×	16 mm - width of roll	200 m	±10%	We cut the entire width of the block.
1 mm	×	12 mm - width of roll	200 m		Only for entire rolls.
2 mm	×		100 m		

→ For calculation of the atypical product prices, you can use the calculator on the e-shop at [www.hranipex.co.uk](http://www.hranipex.co.uk). If necessary, our assistants are happy to help you. Please contact us on - 0121 767 91 80.

# C Rewinding rolls and application of glue

## C 1 Rewinding rolls

Type ⊗	Thickness of edges ↕	
ABS edges	0.45 - 3 mm	→ Minimum order quantity: 1 m → Delivery time: 24 hours
ABS edges lacquering	1 - 2 mm	
ABS edges lacquering → high gloss 90° Acryl foil	0.7 - 1 mm	
Design edges → Acryl 3D	1 - 2 mm	
Design edges → ABS edges with ALU foil	0.45 - 2 mm	
Design edges → End-Grain	1 mm	

## C 2 Rewinding jumbo roll

Type ⊗	Thickness of edges ↕	
ABS edges	0.45 - 2 mm	→ Minimum order quantity: 1 m
ABS edges lacquering	1 - 2 mm	
ABS edges lacquering → high gloss 90° Acryl foil	0.7 - 1 mm	
Design edges → ABS edges with ALU foil	0.45 - 2 mm	
Design edges → End-Grain	1 mm	

## C 3 Application of glue

Type ⊗	Dimensions ⊗	
ABS edges	22 × 0.5 mm 22 × 0.7 mm 22 × 0.8 mm 22 × 1 mm 22 × 2 mm 22 × 3 mm	→ Glue application on edging in width from 12 - 160 mm. → Delivery time: 5 - 10 working days
ABS edges lacquering	22 × 1 mm 22 × 0.7 mm	
ABS edges lacquering → Acryl foil gloss level 90°	23 × 0.7 mm	
Design edges → ABS edges with ALU foil, Acryl 3D	22 × 0.45 mm 22 × 2 mm	
Design edges → End-Grain	22 × 1 mm	

## C 4 Application of functional layer on ABS edges for the entire collection

Edging width ↕	
22 mm	→ Price is calculated by conversion. → Minimum order amount: 1 roll → Possible widths: from 12 mm up to 65 mm → Delivery time: 7 - 10 working days → Available colours of functional layer: beige, white, transparent, black. → By using a laser compatible layer this product will be suitable for Laser-Tech and airTech technology.

# D Packing, tolerance, storage, parameters



→ **Surface defects, colour stability:**  
Changes on the surface of ABS Plain edges must not interfere with the perception of surface visible from a distance greater than 70 cm. Surface defects is meant eg contrasting points, dots, bulges, dents, cracks, waves, color change, gloss changes, etc.  
→ **Permitted tape curvature:**  
max. 3 mm per 1 m of edge length  
→ **Storage:** at temperatures of 15 - 25 °C, air humidity 55 - 65%

## D 1 Packing - Plain colours

1 carton		
Dimensions @L	Plain colours @	Weight of carton ■
22 x 0.45 mm	10 rolls at 200 m	21.68 kg
42 x 0.45 mm	6 rolls at 200 m	25.14 kg
22 x 0.7 mm	5 rolls at 200 m	16.18 kg
22 x 0.8 mm	5 rolls at 200 m	21.78 kg
22 x 1 mm	5 rolls at 150 m	17.93 kg
22 x 1 mm	5 rolls at 200 m	23.68 kg
25 x 1 mm	4 rolls at 150 m	16.68 kg
28 x 1 mm	4 rolls at 150 m	18.68 kg
28 x 1 mm	4 rolls at 200 m	24.68 kg
32 x 1 mm	3 rolls at 150 m	16.43 kg
32 x 1 mm	3 rolls at 200 m	21.68 kg
42 x 1 mm	3 rolls at 150 m	19.92 kg
42 x 1 mm	3 rolls at 200 m	26.22 kg
53 x 1 mm	2 rolls at 150 m	16.20 kg
22 x 2 mm	5 rolls at 100 m	22.18 kg
23 x 2 mm	5 rolls at 100 m	23.19 kg
28 x 2 mm	4 rolls at 100 m	22.68 kg
32 x 2 mm	3 rolls at 100 m	18.98 kg
42 x 2 mm	3 rolls at 100 m	27.42 kg
45 x 2 mm	2 rolls at 100 m	18.60 kg
55 x 2 mm	2 rolls at 100 m	21.40 kg
65 x 2 mm	1 roll at 100 m	13.00 kg
23 x 3 mm	5 rolls at 75 m	25.18 kg
28 x 3 mm	4 rolls at 75 m	25.58 kg
32 x 3 mm	3 rolls at 75 m	22.06 kg
42 x 3 mm	3 rolls at 75 m	33.50 kg

## D 2 Packing - Woodgrains

1 carton		
Dimensions @L	Woodgrains @	Weight of carton ■
22 x 0.45 mm	10 rolls at 200 m	21.68 kg
42 x 0.45 mm	6 rolls at 200 m	25.14 kg
22 x 0.8 mm	5 rolls at 200 m	21.78 kg
28 x 0.8 mm	4 rolls at 200 m	23.08 kg
22 x 1 mm	5 rolls at 200 m	23.68 kg
28 x 1 mm	4 rolls at 200 m	24.68 kg
32 x 1 mm	3 rolls at 200 m	21.68 kg
42 x 1 mm	3 rolls at 200 m	26.22 kg
23 x 1.5 mm	5 rolls at 200 m	27.62 kg
22 x 2 mm	5 rolls at 100 m	22.18 kg
23 x 2 mm	5 rolls at 100 m	23.19 kg
28 x 2 mm	4 rolls at 100 m	22.68 kg
32 x 2 mm	3 rolls at 100 m	18.98 kg
42 x 2 mm	3 rolls at 100 m	27.42 kg
54 x 2 mm	2 rolls at 100 m	21.01 kg
22 x 3 mm	5 rolls at 100 m	33.51 kg
25 x 3 mm	4 rolls at 100 m	32.17 kg
28 x 3 mm	4 rolls at 100 m	33.88 kg

## D 3 Thickness tolerance

Thickness @L	Tolerance ⊖	Tolerance ⊕
0.45 - 0.6 mm	-0.05 mm	+0.05 mm
0.7 - 1.0 mm	-0.10 mm	+0.10 mm
1.1 - 1.6 mm	-0.20 mm	+0.10 mm
1.7 - 2.0 mm	-0.25 mm	+0.15 mm
2.1 - 5.0 mm	-0.30 mm	+0.15 mm

## D 4 ABS edging plain - tolerances by colour shade

Colour shade	Maximum allowed deviation from reference sample delta E*
White colours	max. 0.8 delta E*
Bright colours	max. 1.0 delta E*
Dark colours	max. 1.5 delta E*



→ Measuring tool is spectrometre with measuring geometry d8°.  
→ Accuracy of measuring device: repeatability Delta E\* 0.01.

## D 5 Manufacturing of ABS edging

Modification	Radius
Bending 0.45 - 0.9 mm edging	possible for radius 30 mm, lacquered from 50 mm
Bending 1.0 - 1.5 mm edging	possible for radius 40 mm, lacquered from 60 mm
Bending 1.6 - 2.0 mm edging	possible for radius 50 mm, lacquered from 60 mm
Bending 2.1 - 3.0 mm edging	possible for radius 60 mm, lacquered from 60 mm
Glue lay	yes
Application of functional layer	yes

## D 6 Width tolerance

Width @L	Tolerance ⊖	Tolerance ⊕
11 - 31 mm	-0.3 mm	+0.5 mm
above 32 mm	-0.5 mm	+0.5 mm
Length @L	Tolerance	
1 roll	±1.5 % from nominal length of roll	

## D 7 Sample sets



Ⓜ ABS Edges chain sample swatches in box  
Ⓞ Contains more than 1,200 decors.



Ⓜ High Gloss ABS edges chain sample swatch  
Ⓞ Contains more than 75 decors.



Ⓜ Senoplast edges chain sample swatch  
Ⓞ Contains 20 decors.



Ⓜ Design edges chain sample swatch



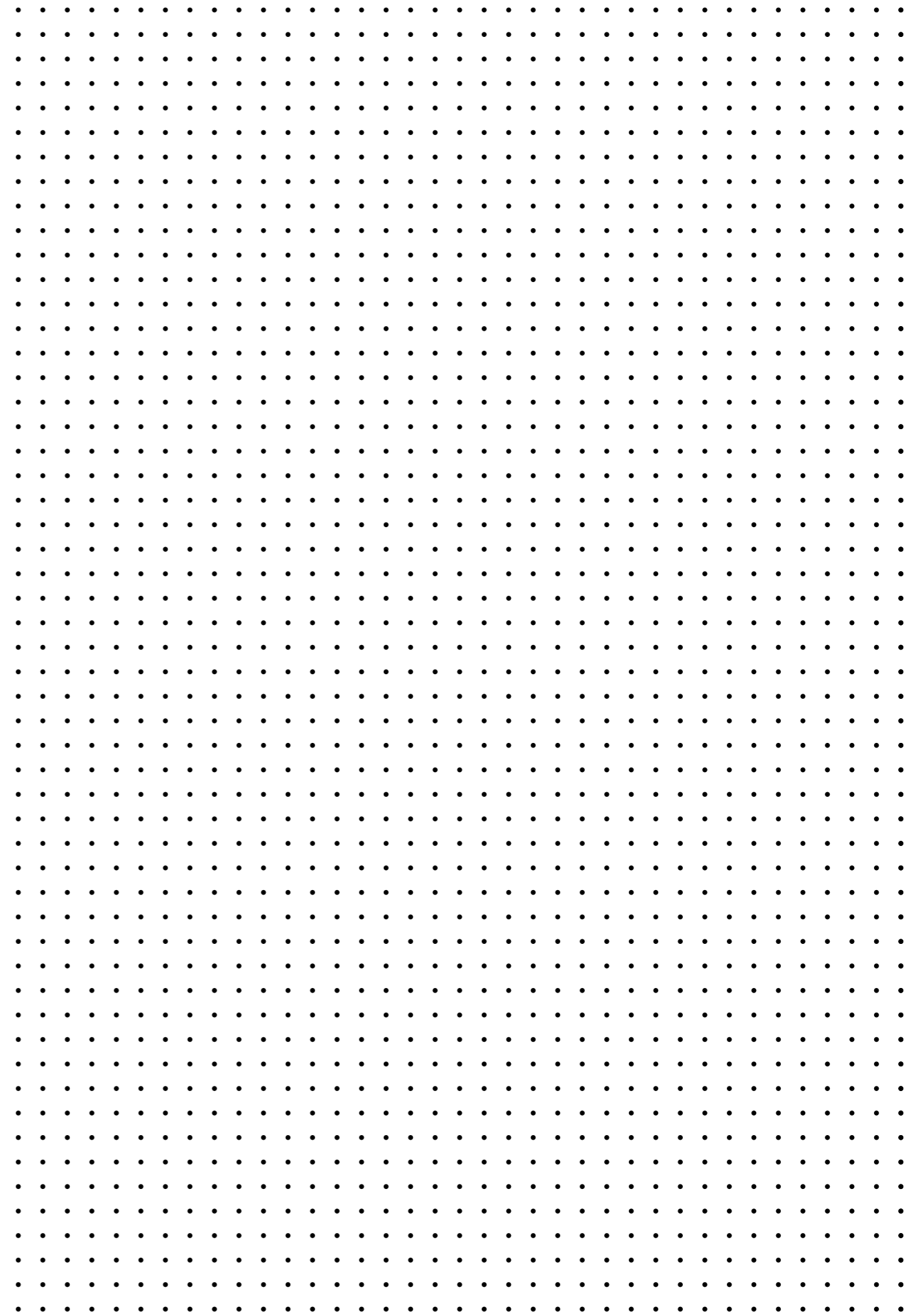
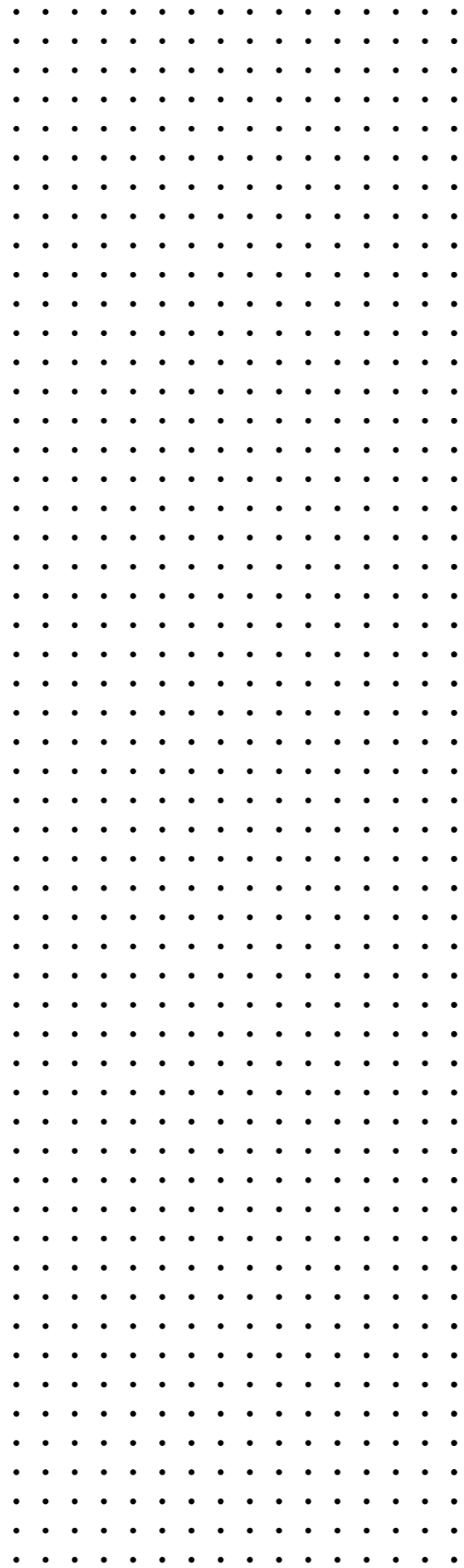
End Grain ABS  
edges chain sample swatch



Matt ABS edges sample  
swatch



AdvantEdge® ABS  
edges chain sample swatch



# AdvantEdge® - Hot Air Edges

The ABS edges with a polymer coat allow bonding by Hot Air technology.

## ● What is AdvantEdge®?

AdvantEdge® is furniture edging additionally coated with specific polymeric material enabling utilisation of Hot Air technology for bonding the edging to the boards without adding any additional glue. The layer is tinted to the colour of the base ABS edging. Thanks to that you achieve the zero-joint effect.

### Types of ABS edges available in Hot Air

- plain colours
- woodgrains
- high gloss
- extra matt
- Senosan acrylic foil - gloss/matt

### Versions

- stock collection
- custom layer for widths of 12 - 65 mm, edge thicknesses of 1 - 2 mm in widths of 12 - 65 mm

### Basic surface finish

- smooth
- pearl
- pore

## ● Order quantity

<b>☒ ABS edge custom Hot Air layer from 12 mm to 65 mm:</b> → minimum order quantity is 1 roll	<b>☒ Woodgrains 1 mm from the stock collection:</b> → rolls: 200 m → minimum order quantity is 10 m	<b>☒ ABS edge 1 and 2 mm:</b> → possibility slitting to atypical width and application Hot Air layer from 12 mm to 65 mm → minimum order quantity is 1 roll
<b>☒ Plain colours 1 mm from the stock collection:</b> → rolls: 150 m / 200 m → minimum order quantity is 1 roll	<b>☒ ABS edge 2 mm from the stock collection:</b> → rolls: 100 m → minimum order quantity is 1 roll	<b>☒ Plain colours 1 and 2 mm:</b> → custom production with Hot Air layers of width from 12 mm to 65 mm → minimum order quantity is 100 m

# Technical edges

Edges that can be used to seal the sides and the invisible edges of flat materials before the final surface finish.

## ● What are technical edges?

This is a group of edges that can be used to seal the sides and the invisible edges of flat materials before final surface finish.

### Types of ABS edges

#### → paintable ABS edges

Smooth white ABS edge with additional primer coat on the upper side of the edge to achieve the adhesion properties necessary for subsequent lacquer.

#### → Exwood edges

The EXWOOD edge is used as a basis for lacquer. It is a mixture of PP and wood material.

#### → Melamine blind edges

These edges are not lacquered and have a lower gram weight of 165 gr/m<sup>2</sup>, and are available in four basic colours - white, black, beige and brown. They are used to seal the hidden parts of the furniture and can also be lacquered.

### Versions

- paintable ABS and Exwood edges without adhesives
- melamine blind edges with/without adhesive
- in standard widths

### Basic surface finish

- smooth

## ● Order quantity

<b>☒ Melamine blind edges:</b> → roll without glue: 500 m → roll with glue: 50 m → minimum order quantity without glue is 500 m → minimum order quantity with glue is 50 m (standard width of 22 and 45 mm with/without adhesives)	<b>☒ ABS edging 2 mm:</b> → rolls: 100 m → minimum order quantity is 1 m	<b>☒ ABS edging 0.8; 1 and 2 mm:</b> → slitting of a jumbo roll from 12 mm
<b>☒ Plain colour 0.8 and 1 mm:</b> → rolls 0.8 mm: 200 m → rolls 1 mm: 150 m / 200 m → minimum order quantity is 1 m	<b>☒ Exwood:</b> → rolls: 50 m → minimum order quantity is 50 m	<b>☒ ABS edging in all available thicknesses:</b> → the option of application of glue from 12 to 160 mm → option application of functional layers and Hot air layers on ABS edgings from width 12 mm up to 65 mm

## ● Processing of the technical edges

### ● Processing of the paintable ABS edges

#### ☒ Thickness 0.8 - 2 mm without adhesive, mechanical adhesive bonding

- Insert the edge into the feed device of the banding machine. It bonds and finishes the edge.
- For this operation, we recommend use of white adhesive on PO or PUR base (minimisation of the joint to achieve the best result). Before the start of production, it is necessary to test the edge to ascertain its suitability for the given process. Cleaning of the surface before painting must be done without using solvents in order to prevent loss of the adhesion properties of the surface.

### ● Processing of the Exwood edges

#### ☒ Thickness 2 mm without adhesive, mechanical adhesive bonding

- Insert the edge into the feed device of the banding machine, this will bond and finish the edge.

#### ☒ Thickness 0.8 - 2 mm without adhesive, manual adhesive bonding

##### ● Using contact adhesive

- Apply the adhesive with a brush or spray it on the segment and the edge. Aerate for 2 to 5 minutes.
- Apply one more adhesive coat to the edge and segment and leave to aerate again.
- You can now gradually press the edge on the segment.
- Mill the edge thickness of 0.8 - 2 mm with a top milling cutter.

#### ☒ Processing of melamine blind edges with adhesive

##### ● A: Using an iron

- Set the temperature of the iron to "cotton".
- Place the edge on the glued piece.
- Place paper or a piece of cloth on the edge and iron it slowly applying gentle pressure.
- Press the hot edge onto the piece with a rounded block of wood moving it backwards and forwards along the edge.
- After cooling, cut off the overlapping material and clean it off with fine sandpaper.

##### ● B: Hot-air dryer

##### ● C: Manual edging with the help of a machine with a hot-air pistol - Virutex

#### ☒ Processing of melamine blind edges without adhesive

- The edge is fed into the machine that glues as well as treats the edge.



# Melamine edges

Melamine edges can be used on the less exposed parts of furniture. It is durable, reasonably priced and very easy to apply.

## ● What is Melamine edging?

Melamine edges is made of paper on which the decor is printed, the surface is then lacquered. It is easy to apply either using machinery or manually.

### Types

- plain colours
- woodgrains

### Options

- with glue and without glue
- in the width of a jumbo roll (510 - 640 mm, blind edges 640 - 650 mm)

### Surface finish

- smooth
- pearl
- pore

## ● Order quantity

### @\_ Melamine edging without glue:

- rolls 100 - 500 m
- minimum order quantity is 1 roll (as a standard, the width 45 mm)

### @\_ Melamine edging with glue:

- rolls 50 m
- minimum order quantity is 50 m (as a standard, the width 22 and 45 mm)

### @\_ Melamine edging in the width of jumbo roll:

- minimum order quantity is 1 m
- It is possible to slit the edging to an unusual width from 16 to 200 mm.
- It is possible to apply a hot melt adhesive on the edging (width from 16 to 160 mm).

# Falz edges

Use Falz edges for casing joint for door mouldings.

## ● Falz edges

Falz edges are Melamine edges with resin to ensure its flexibility. Due to this they are more easily bent into shape. They can be bent right down to a radius of 3 mm.

### Types

- plain colours
- woodgrains

### Options

- with glue and without glue
- in the width of a jumbo roll (260 - 690 mm)

They are mostly used with smooth surfaces.

## ● Order quantity

### @\_ Melamine FALZ edging in the width of 60 mm without glue:

- rolls 400 - 500 m
- minimum order quantity is 100 m

### @\_ Melamine FALZ edging in the width of 60 mm with glue:

- rolls 100 - 500 m
- minimum order quantity is 100 m

### @\_ Melamine FLAZ edging in the width of the jumbo roll:

- minimum order quantity is 1 m
- It is possible to slit the edging to an unusual width from 16 to 200 mm.
- It is possible to apply a hot melt adhesive on the edging (width from 16 to 160 mm).

## ● Treatment

The FALZ edging can be edged in special edging machines for profiles, lining and door. The feed rate and the temperature depend upon the type of glue applied. It depends on the customers technology, they are delivered with glue or without glue.

# E ● Packing, tolerance, storage, parameters

## E 1 Packing

1 carton		
Width Ⓜ	Without glue Ⓜ	Weight m <sup>2</sup> ■
22 mm	7 rolls at 200 - 500 m	0.3 kg
45 mm	3 rolls at 200 - 500 m	0.3 kg
Width Ⓜ	With glue Ⓜ	Weight m Ⓜ
22 mm	28 rolls at 50 m	0.0103 kg
45 mm	12 rolls at 50 m	0.021 kg

## E 2 Tolerance

Width Ⓜ	Tolerance
11 - 14 mm	±0,2 mm
15 - 31 mm	±0.3 mm
above 32 mm	±0.5 mm
Length Ⓜ	Tolerance
1 roll	±1.5 %

## E 3 Sample sets



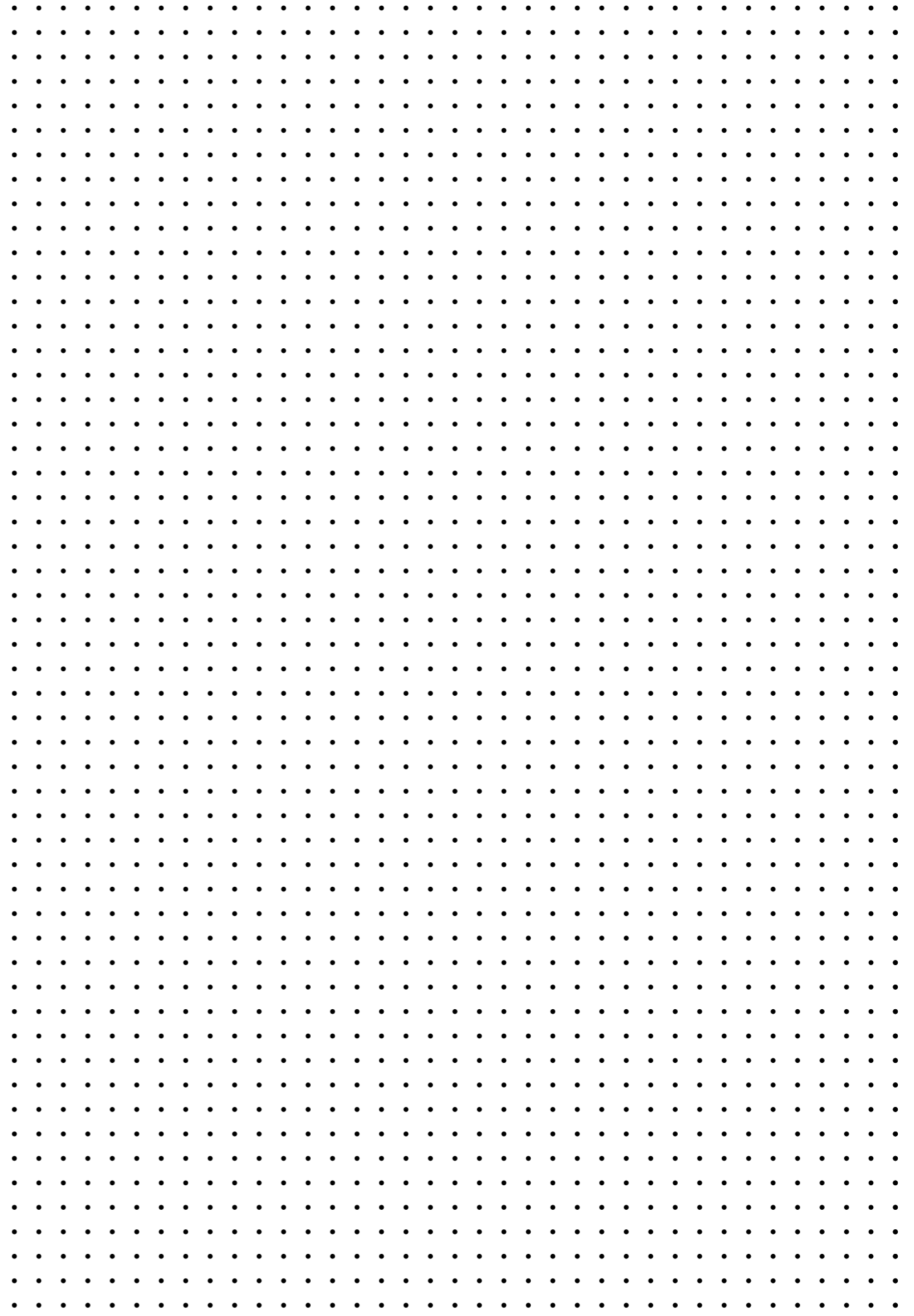
Chain sample set of melamine edges



Chain sample set melamine Falz edges

①

→ **Storage:** at temperatures of 15 - 25 °C, air humidity 55 - 65%



# Veneer edging

Use veneer edges when working on veneered board furniture. That way you can achieve perfect results fast.

## ● What is veneer edging?

Veneer edges are made from real wood, which are stuck together in an endless loop and then sanded to a uniform thickness. The strength of the edge during the processing is ensured by adhesive or fleece.

## Options

Veneered edges thickness 0.6 mm

Edging for straight or curved edges of furniture parts

- with glue
- with fleece

Veneer edges Falz thickness 0.38 mm

Edging for door frames, door panels and coated profiles

- with fleece and glue
- with fleece

## ● Order quantity

@\_ Veneer edging 0.6 mm with glue:  
→ rolls 50 m  
→ minimum order quantity is 50 m (no rewinding)

@\_ Veneer edging 0.6 mm with fleece:  
→ rolls 200 m  
→ minimum order quantity is 200 m (no rewinding)

@\_ Veneer Falz edging 0.38 mm:  
→ rolls 200 m  
→ minimum order quantity is 200 m (no rewinding)

# Thick veneer edges

When working on veneered furniture, use multi layered veneer edges. You will always achieve perfect result efficiently.

## ● What is thick veneer edging?

It is a veneered edge made by sticking together multiple layers of veneer connected to an endless belt.

## Options

- thickness 1 - 2 mm
- thickness 1 - 4 mm (on request)

## ● Order quantity

@\_ Thick veneer edging having the thickness of 1 and 2 mm:  
→ rolls 50 m  
→ minimum order quantity is 50 m (no rewinding)

@\_ Thick veneer edging having the thickness of 1 - 4 mm:  
→ more information available upon request.


## ● Treatment

→ The edge is fed into the machine that glues as well as treats the edge.

In addition to the above-mentioned, all the veneer edging can get a further surface finish, i.e. they can be ground, stained, varnished or waxed.


# F Tolerance and storage

## F 1 Width tolerance

Width 	Tolerance 
Layered veneers	±0.5 mm
Thin veneers	±0.5 mm
▼	▼
Length 	Tolerance 
Thick veneer	±1% from roll
Thin veneer	±1% from roll

## F 2 Sample sets



 Sampler of veneer edging  
0.6; 1 and 2 mm thick



→ Storage: at temperatures of 15 - 25 °C, air humidity 55 - 65%



NEPCon OÜ hereby confirms that the Chain of Custody and Controlled Wood system of

### Hranipex Czech Republic k.s.

J. Rýznerové 97  
Komorovice, Humpolec 396 01  
Czech Republic

has been assessed and certified as meeting the requirements of  
**FSC-STD-40-003 V2-1; FSC-STD-40-004 V3-0**

The certificate is valid from 19-11-2019 to 18-11-2024  
Certificate version date: 14-11-2019

#### Scope of certificate

Certificate type: Multisite Chain of Custody and Controlled Wood

#### Certificate registration code

NC-COC-020951  
NC-CW-020951

#### FSC License Code

FSC-C123308

Laura Terrall Kohler  
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# Adhesives

Hot melt adhesives → 30

Dispersive adhesives → 40

Contact adhesives → 43

Adhesive tapes → 45

Assembly and construction adhesives → 46



# Adhesives

Furniture cannot be manufactured without a quality adhesive. We can provide high quality glues and advice for the best suitable option.

## Types

- Hot melt adhesives  
Adhesives for various ways of edges furniture edges
- Dispersion and flat area adhesives  
Adhesives for bonding solid wood, veneer, HPL or dowels
- Contact adhesives  
For fast gluing of many kinds of materials, including non-absorbent
- Adhesive tapes  
Adhesive tapes for fast and clean attachment of boards and other assembly work
- Assembly and construction adhesives  
Adhesives for quick gluing, sealing and assembly work

**G 1**

Hranitherm granules:  
transparent not filled adhesives



**600.30** transparent  
**600.31** white  
**600.39** black

5 kg  
20 kg

**603.00** transparent  
**603.01** white

5 kg  
20 kg

**608.30** transparent

5 kg  
20 kg

**G 2**

Hranitherm granules:  
slightly filled adhesives



**600.70** natural  
**600.71** white  
**600.79** black

5 kg  
25 kg

**G 3**

Hranitherm granules:  
filled adhesives



**628.10** natural

20 kg

**600.10** natural

5 kg  
25 kg

**600.11** white  
**600.18** brown  
**600.19** black

5 kg  
25 kg

**600.64** natural

5 kg  
25 kg

**608.80** light beige

5 kg  
25 kg

**Hranitherm**

**Technical information**

<b>Base</b>	EVA not filled	EVA not filled	EVA not filled	EVA filled	EVA filled	EVA filled	EVA filled	EVA filled	EVA filled
<b>Softening range (ring and ball)</b>	110 °C	110 °C	92 - 102 °C	100 °C	110 °C	95 °C	95 °C	100 °C	95 °C
<b>Operating temperature</b>	180 - 200 °C	180 - 200 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C
<b>Operating speed</b>	12 - 30 m/min	8 - 30 m/min	4 - 8 m/min	10 - 60 m/min	18 - 30 m/min	10 - 30 m/min	10 - 30 m/min	10 - 50 m/min	4 - 8 m/min
<b>Viscosity at 200 °C</b>	cca. 70,000 mPa·s	cca. 70,000 mPa·s	cca. 60,000 mPa·s	cca. 60,000 mPa·s	140,000 - 170,000 mPa·s	cca. 65,000 mPa·s	cca. 80,000 mPa·s	cca. 65,000 mPa·s	cca. 50,000 mPa·s

**Application field**

<b>ABS, PVC and PP edging with a primer</b>	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
<b>Veneer edging</b>	●●●	●●●	●●	●●●	●●●	●●	●●	●●	●●
<b>Melamine edging</b>	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
<b>Edging of solid wood</b>	●●	●●	●●	●●	●●●	×	×	●	●●
<b>Softforming</b>	●●●	●●●	●●●	●●	●●	●	●	●●	●●●
<b>CNC shaped edging</b>	●●●	●●●	●●	●	●●●	×	×	×	●
<b>Manual shaped edging</b>	●●	●●	●●	●	●●●	×	×	×	●●●
<b>Holz-her cartridge devices</b>	×	×	×	×	×	×	×	×	×

EVA hot melt adhesives  
Hranitherm granules

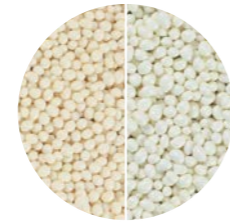
G 3

Hranitherm granules:  
filled adhesives



G 4

Hranitherm granules:  
adhesive with low melting temperature



► Hranitherm

617.00 natural

600.20 natural  
600.21 white

605.20 natural  
605.21 white

■ 25 kg

■ 5 kg  
■ 25 kg

■ 5 kg  
■ 25 kg

Technical information

Base	EVA filled	EVA filled	EVA filled
Softening range (ring and ball)	96 °C	85 °C	80 °C
Operating temperature	190 - 210 °C	160 - 180 °C	140 - 160 °C
Operating speed	10 - 50 m/min	8 - 15 m/min	4 - 15 m/min
Viscosity at 200 °C	cca 65,000 mPa·s	cca 10,000 mPa·s	10,000 - 14,000 mPa·s

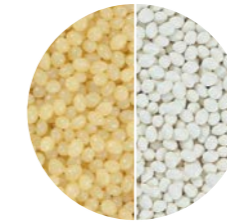
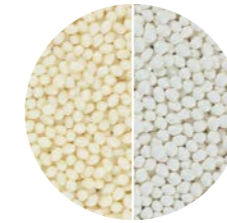
Application field

ABS, PVC and PP edging with a primer	●●●	●●●	●●
Veneer edging	●●●	●●●	●●●
Melamine edging	●●●	●●●	●●●
Edging of solid wood	●●	●●	●
Softforming	●	●●	●●
CNC shaped edging	●	×	×
Manual shaped edging	●	●●	●●●
Holz-her cartridge devices	×	×	×

EVA hot melt adhesives  
Jowat granules

G 5

Jowat granules:  
transparent adhesives



► Jowatherm

280.10 transparent  
280.11 white

280.30 transparent  
280.31 white

280.58 transparent

■ 5 kg  
■ 25 kg

■ 5 kg  
■ 25 kg

■ 25 kg

Technical information

Base	EVA not filled	EVA not filled	EVA not filled
Softening range according to Kofler	100 °C	90 °C	90 °C
Operating temperature	190 - 210 °C	180 - 200 °C	190 - 210 °C
Operating speed	8 - 40 m/min	8 - 40 m/min	15 - 40 m/min
Viscosity at 200 °C	150,000 mPa·s	50,000 mPa·s	85,000 mPa·s

Application field

ABS, PVC and PP edging with a primer	●●●	●●●	●●●
Veneer edging	●●●	●●●	●●●
Melamine edging	●●●	●●●	●●●
Edging of solid wood	●●●	●●	●●
Softforming	●●	●●●	●●●
CNC shaped edging	●●●	●●●	●●●
Manual shaped edging	●●●	●●●	●●●
Holz-her cartridge devices	×	×	×



EVA hot melt adhesives  
Jowat granules

G 6

Jowat granules:  
slightly filled adhesives



G 7

Jowat granules:  
filled adhesives



G 8

Jowat granules:  
adhesive with low  
melting temperature



► Jowatherm

280.50 natural  
280.51 white

284.00 natural

282.20 natural

282.40 transparent

■ 5 kg  
■ 25 kg

■ 25 kg

■ 5 kg  
■ 25 kg

■ 5 kg  
■ 25 kg

Technical information

Base	EVA filled	EVA filled	EVA filled	EVA not filled
Softening range according to Kofler	95 °C	90 °C	75 °C	85 °C
Operating temperature	180 - 200 °C	190 - 210 °C	120 - 150 °C	120 - 150 °C
Operating speed	12 - 40 m/min	12 - 40 m/min	5 - 20 m/min	5 - 20 m/min
Viscosity at 200 °C	75,000 mPa·s	115,000 mPa·s	30,000 mPa·s	25,000 mPa·s

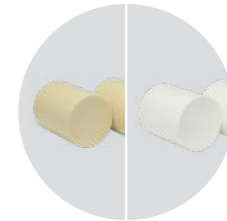
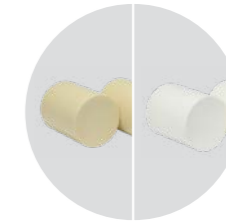
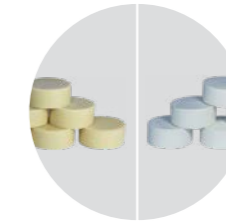
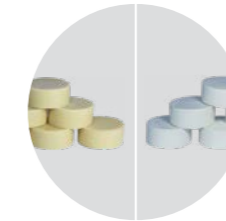
Application field

ABS, PVC and PP edging with a primer	●●●	●●	●●	●●●
Veneer edging	●●●	●●●	●●●	●●●
Melamine edging	●●●	●●●	●●●	●●●
Edging of solid wood	●●	×	●	●●
Softforming	●●●	●	●●	●●●
CNC shaped edging	●●	×	×	×
Manual shaped edging	●●	×	●●●	●●●
Holz-her cartridge devices	×	×	×	×

EVA hot melt adhesives  
Hranitherm cartridges

G 9

Hranitherm cartridges



► Hranitherm

1000.30 transparent  
1000.31 white

1000.70 natural  
1000.71 white

600.00 natural  
600.01 white

600.70 natural  
600.71 white

■ 1 cartridge, box 6 kg  
(72 cartridges)

■ 1 cartridge, box 7.2 kg  
(72 cartridges)

■ 1 cartridge, box 8 kg  
(24 cartridges)

■ 1 cartridge, box 8 kg  
(24 cartridges)

Technical information

Base	EVA not filled	EVA filled	EVA filled	EVA filled
Softening range (ring and ball)	110 °C	100 °C	95 °C	100 °C
Operating temperature	190 - 210 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C
Operating speed	2 - 5 m/min	2 - 5 m/min	10 - 40 m/min	14 - 35 m/min
Viscosity at 200 °C	70,000 mPa·s	60,000 mPa·s	65,000 mPa·s	cca. 60,000 mPa·s

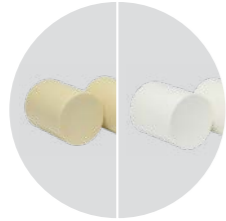
Application field

ABS, PVC and PP edging with a primer	●●●	●●●	●●●	●●●
Veneer edging	●●	●●●	●●●	●●●
Melamine edging	●●●	●●●	●●●	●●●
Edging of solid wood		×	×	●●
Softforming	×	×	×	×
CNC shaped edging	×	×	×	×
Manual shaped edging	×	×	×	×
Holz-her cartridge devices	×	●●● for Festool cartridge device	●●●	●●●

EVA hot melt adhesives  
Hranitherm cartridges



Hranitherm cartridges



► Hranitherm

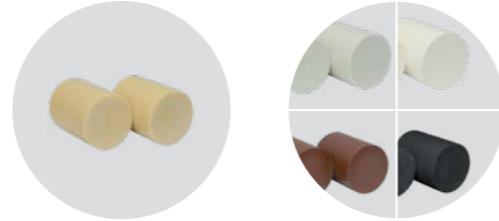
603.00 transparent  
603.01 white

■ 1 cartridge, box 6 kg  
(24 cartridges)

EVA hot melt adhesives  
Jowat cartridges



Jowat cartridges



► Jowatherm

286.30 transparent  
286.60 natural  
286.61 white  
286.62 brown  
286.63 black

■ 1 cartridge, box 11.8 kg  
(48 cartridges) ■ 1 cartridge, box 15.4 kg  
(48 cartridges)

H ● PUR hot melt adhesives  
Jowat granules



Jowat granules



► Jowatherm

607.40 natural  
607.41 white  
607.50 natural  
607.51 white  
608.00 transparent  
608.01 white  
607.40 beige  
607.41 white

■ 0.6 kg ■ 0.6 kg ■ 0.5 kg ■ 320 g cartridge

PUR Jowat hot  
melt adhesive  
cartridges  
Holz-Her



Jowat cartridges  
Holz-Her



Technical information		Technical information			Technical information				
Base	EVA not filled	Base	EVA not filled	EVA filled	Base	PUR	PUR	PUR	PUR
Softening range (ring and ball)	110 °C	Softening range according to Kofler	90 °C	80 °C	Softening range according to Kofler	×	×	×	×
Operating temperature	190 - 210 °C	Operating temperature	180 - 200 °C	180 - 200 °C	Operating temperature	cca. 140 °C	130 - 150 °C	110 - 130 °C	cca. 140 °C
Operating speed	8 - 30 m/min	Operating speed	10 - 40 m/min	10 - 40 m/min	Operating speed	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min
Viscosity at 200 °C	70,000 mPa·s	Viscosity at 200 °C	50,000 mPa·s	65,000 mPa·s	Viscosity at 140 °C	60,000 mPa·s	75,000 mPa·s	60,000 mPa·s	60,000 mPa·s
Application field		Application field			Application field				
ABS, PVC and PP edging with a primer	●●●	ABS, PVC and PP edging with a primer	●●●	●●●	ABS, PVC and PP edging with a primer	●●●	●●●	●●●	●●●
Veneer edging	●●●	Veneer edging	●●●	●●●	Veneer edging	●●●	●●●	●●●	●●●
Melamine edging	●●●	Melamine edging	●●●	●●●	Melamine edging	●●●	●●●	●●●	●●●
Edging of solid wood	●	Edging of solid wood	●●	×	Edging of solid wood	●●●	●●●	●●●	●●●
Softforming	×	Softforming	×	×	Softforming	●●	●●	●●	×
CNC shaped edging	×	CNC shaped edging	×	×	CNC shaped edging	●●	●●	●	×
Manual shaped edging	×	Manual shaped edging	×	×	Manual shaped edging	×	×	×	×
Holz-her cartridge devices	●●●	Holz-her cartridge devices	●●●	●●●	Holz-her cartridge devices	×	×	×	●●●

PUR Jowat hot melt adhesive cartridges Holz-Her

PUR hot melt adhesives Jowat cartridges



Jowat cartridges



Jowatherm

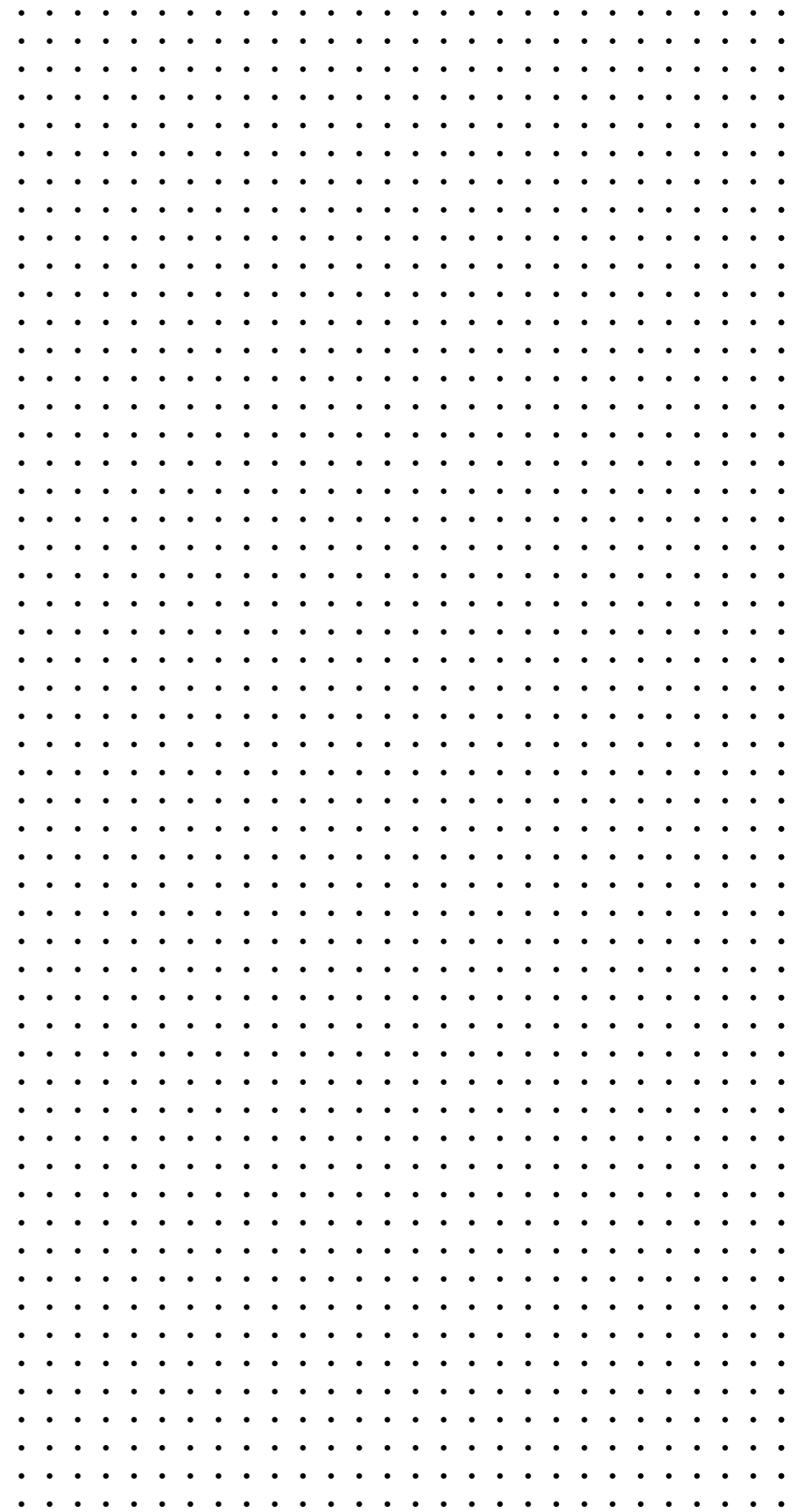
607.50 natural 607.51 white	608.00 transparent 608.01 white	607.40 natural 607.41 white	607.50 natural 607.51 white	608.00 transparent 608.01 white
■ 320 g cartridge	■ 260 g cartridge	■ 2,5 kg	■ 2,5 kg	■ 2 kg

Technical information

Base	PUR	PUR	PUR	PUR	PUR
Softening range according to Kofler	×	×	×	×	×
Operating temperature	130 - 150 °C	110 - 130 °C	cca. 140 °C	130 - 150 °C	110 - 130 °C
Operating speed	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min
Viscosity at 140 °C	75,000 mPa·s	42,000 mPa·s	60,000 mPa·s	75,000 mPa·s	42,000 mPa·s

Application field

ABS, PVC and PP edging with a primer	●●●	●●●	●●●	●●●	●●●
Veneer edging	●●●	●●●	●●●	●●●	●●●
Melamine edging	●●●	●●●	●●●	●●●	●●●
Edging of solid wood	●●●	●●●	●●●	●●●	●●●
Softforming	×	×	●●	●●	●●
CNC shaped edging	×	×	●●	●●	●
Manual shaped edging	×	×	×	×	×
Holz-her cartridge devices	●●●	●●●	×	×	×



1

Dispersion Jowat adhesive



Jowacoll 103.05      Jowacoll 113.10      Jowacoll 124.00      Jowacoll 114.60

Technical information	Jowacoll 103.05	Jowacoll 113.10	Jowacoll 124.00	Jowacoll 114.60
Packing	■ 5; 10; 30 kg	■ 5; 10; 25 kg	■ 5; 10; 25 kg	■ 25 kg
Base	PVAc	PVAc	PVAc	PVAc
According to Norm EN 204	D3 / D4	D2	D2	×
Open time in minutes in 20°C	5 - 8	3 - 5	5 - 7	×
<b>Application field</b>				
Furniture bonding	●●●	●●●	●●●	For dowel gluing of soft or hard-textured wood and particle board on dowelling machines
Soft wood	●●●	●●●	●●●	
Hardwood	●●●	●●●	●●●	
Windows and Doors	●●	×	×	
Flat gluing Veneers, HPL	●●	●●●	●●●	
3D gluing in vacuum press	×	×	×	

2

Hardener



Jowat Hardener 195.40

Technical information	Jowat Hardener 195.40
Packing	■ 1.25 kg
Base	emulsifiable, modified polyisocyanates
According to Norm EN 204	×
Open time in minutes in 20°C	×
<b>Application field</b>	
Furniture bonding, Soft wood, Hardwood, Windows and Doors ...	×
Water resistance and heat resistance increasing of PVAc and PU dispersions	●●●

3

Dispersion Hranipex adhesives



Jowapur 150.51      Hranicoll D3      Hranicoll D3E      Hranicoll D3 SMART      Hranicoll D4

Technical information	Jowapur 150.51	Hranicoll D3	Hranicoll D3E	Hranicoll D3 SMART	Hranicoll D4
Packing	■ 25 kg	■ 800 ml	■ 5; 10; 30 kg	■ 5; 10; 30 kg	■ 800 ml; 5; 25 kg
Base	PU dispersions single components	PVAc	PVAc	PVAc	PVAc
According to Norm EN 204	×	D3	D3	D3	D4
Open time in minutes in 20°C	×	5 - 8	10 - 14	12 - 15	8 - 12
<b>Application field</b>					
Furniture bonding	×	●●●	●●●	●●●	●●●
Soft wood	×	●●●	●●●	●●●	●●●
Hardwood	×	●●●	●●	●●	●●●
Windows and Doors	×	●●	●●	●●	●●●
Flat gluing Veneers, HPL	×	●●	●●	●●	●●●
3D gluing in vacuum press	●●●	×	×	×	×

## Dispersion and flat area adhesives

3

### Hranipex dispersion adhesives



Hranicoll DW

4

### FU surface adhesives



Jowat 950.20



Hraniresin 47

Technical information			
Packing	■ 20 kg	■ 25 kg	■ 25 kg
Base	PVAc	urea-formaldehyde resin	urea-formaldehyde resin
According to Norm EN 204	×	×	×
Open time in minutes in 20°C	×	cca. 13	cca. 10
Application field			
Furniture bonding	For dowel gluing of soft or hard-textured wood and particle board on dowelling machines	×	×
Soft wood		●●● (hot)	●●● (hot)
Hardwood		●●● (hot)	●●● (hot)
Windows and Doors		×	×
Flat gluing Veneers, HPL		●●● (hot)	●●● (hot)
3D gluing in vacuum press	×	×	

## J Contact adhesives & accessories

J

1

### Hranipex adhesives



Hranifix Premium



Hranifix Industry



Hranifix SMART



Hranifix DCM Free

Technical information				
Packing	■ spray 500 ml; carton (12) ■ 17; 47.5 kg kegs	■ 17 kg kegs	■ spray 500 ml; carton (12) ■ 17; 47.5 kg kegs	■ spray 500 ml; carton (12) ■ 17 kg kegs
Base	polychloroprene	polychloroprene	polychloroprene	polychloroprene
Open time in minutes in 20°C	2 - 5	2 - 5	2 - 5	2 - 5
Solids	38 - 42 %	28 - 34 %	28 - 32 %	38 - 42 %
Application				
By hand, palette-knife, brush or roller	×	×	×	×
By spraying	●●●	●●●	●●●	●●●
Application field				
	Suitable for the gluing of MDF, DTD, Polyurethane foam, laminates and lots of plastic materials, ABS, aluminium sheets into most metals and also wood floorings, PVC and other materials. Water resistant contact, high temperature resistance 130°C. The hose and the gun is advised to be purchased for the application process.	Suitable for the gluing of MDF, DTD, Polyurethane foam, laminates and lots of plastic materials, ABS, aluminium sheets into most metals and also wood floorings, PVC and other materials. Water resistant contact, high temperature resistance 85°C. The hose and the gun is advised to be purchased for the application process.	Application field: designed for bonding many substrates including: decorative laminates to particle board, veneers, woods, MDF, plastics, rubber, upholstery and whole host of other materials. Water resistant, temperature stability 105°C. The hose and the gun is advised to be purchased for the application process.	Suitable for bonding wood, particle board, MDF, DTD, polyurethane foam, laminates, cardboard, most plastics, ABS, aluminium sheeting and most metals, floorings from PVC and other materials. The glued joint is resistant to water and temperatures up to 130 °C. Does not contain Dichloromethane. The hose and the gun is advised to be purchased for the application process.

J 2

Hranipex adhesives

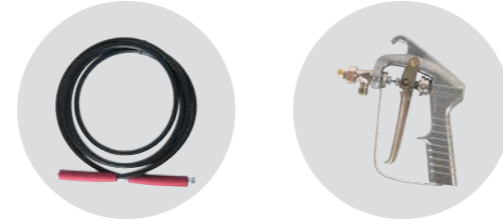


Hranicon 30

Hranicon 50

J 3

Accessories for contact adhesives Hranipex



Hranifix hose 3.6 m

Hranifix gun

Technical information	Hranicon 30	Hranicon 50	Hranifix hose 3.6 m	Hranifix gun
<b>Packing</b>	■ 1 l; 5 l can	■ 1 l; 20 l can		
<b>Base</b>	polychloroprene	polychloroprene		
<b>Open time in mins. at 20°C</b>	2 - 5	3 - 10		
<b>Product structure</b>	1 component liquid higher viscosity	1 component liquid lower viscosity		
<b>Application</b>				
<b>By hand, palette-knife, brush or roller</b>	●●●	●●		
<b>By spraying</b>	●	●●●		
<b>Application field</b>				
<b>Flat bonding of MFC and MDF</b>	●●●	●●●		
<b>Gluing of HPL, CPL on chipboard or MDF with cold temperature</b>	●●●	●●●		
<b>Gluing of rubber, felt, foams and many plastic to metals</b>	●●●	●●●		
<b>Hand shape gluing with cold temperature</b>	●●●	●		



Hranifix Pressure rollers

Standard or extended length available.

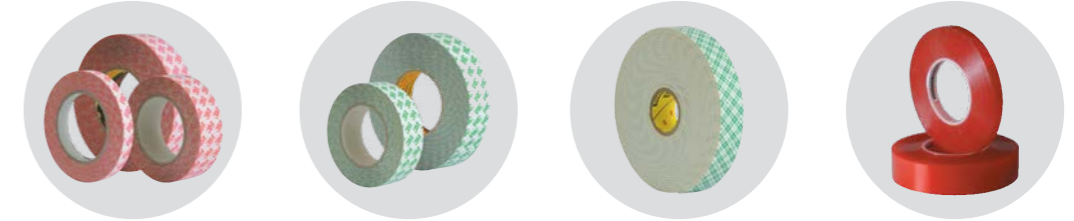


Hranifix cleaning agent, 17 kg

For cleaning application hoses and pistols

K 1

Tape



Hranitape red

Hranitape green

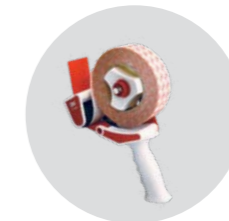
Hranitape - Urethane Foam Tape 4026

Hranitape UNI

Technical information	Hranitape red	Hranitape green	Hranitape - Urethane Foam Tape 4026	Hranitape UNI
<b>Packing</b>	■ 1 piece	■ 1 piece	■ 1 piece	■ 1 piece
<b>Roll</b>	25; 50 m	25; 50 m	5 m	50 m
<b>Width</b>	15; 38 mm	38 mm	19 mm	15; 34 mm
<b>Thickness</b>	0.205 mm	0.265 mm	1.6 mm	0.200 mm
<b>Colour</b>	transparent	white	×	transparent
<b>Application field</b>	Duplicating and gluing of squared materials, smooth and common structured materials e.g. melamine faced chipboard	Duplicating and gluing of squared materials, rough structured materials e.g. OSB	Double Coated Urethane Foam Tape offers high shear strength and is available with either a high temperature holding acrylic adhesive system or a rubber adhesive system for bonding to various types of surfaces for mounting, joining and holding.	For fixing and sticking flat materials. Suitable for both smooth and very coarse structured materials (e.g. Melamine, OSB).

K 2

Accessories



Hranitape manual applicator

For smooth and easy Hranitape application

**L** **1**

Adhesive - PUR



Hranipur 15

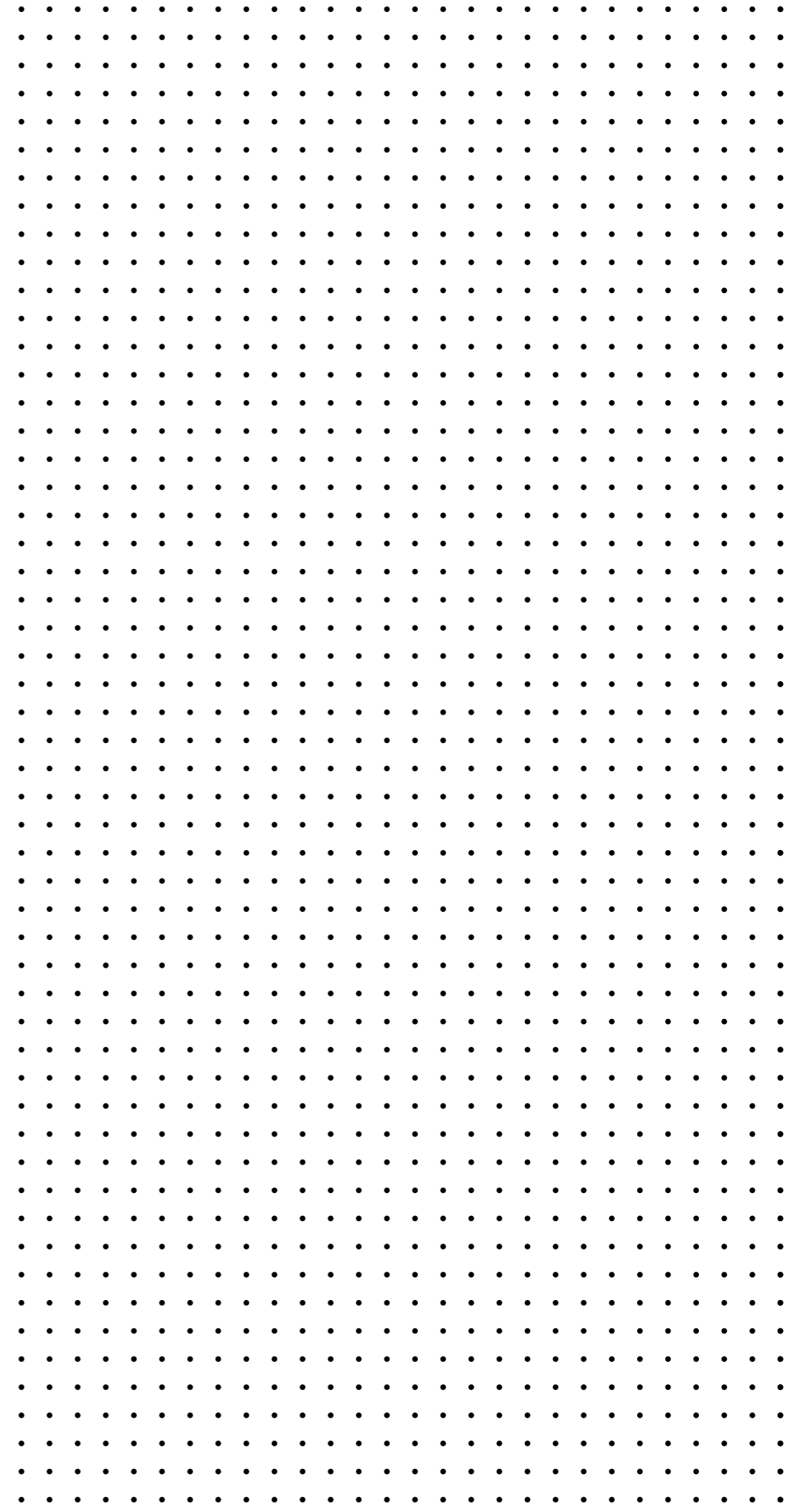
Hranipur 45

Jowapur 685.12

Jowapur 687.22

Jowapur 687.40

Technical information					
Packing	1 piece 800 g; carton (12 pieces)	1 piece 800 g; carton (12 pieces)	1 kg	1 kg	1 kg
Base	PUR prepolymer	PUR prepolymer	PUR prepolymer	PUR prepolymer	PUR prepolymer
Open time in minutes in 20°C	15 - 25	25 - 45	10	18	40
Minimal pressing time in min. in 20°C	60	120	30	60	120
Application field					
Soft wood assembly	●●	●●	●●	●●	●●●
Hard wood and tropical wood assembly	×	×	×	×	●●●
Flat bonding of MFC and MDF	●●●	●●●	●●●	●●●	●●●
Flat gluing of HPL, CPL on chipboard or MDF with cold temperature	●●	●●	●●	●●	●●●
Veneer shaping by single layer gluing	●	●	●	●	●●●
Foam polystyrene gluing	●●●	●●●	●●●	●●	●●●
Gluing upon paint, metals, concrete, ceramics	●	●	●	●	●●●





Adhesive - silicones and polymers



	H - silicone transparent H - silicone white	H - silicone mirror	H - polymer MS	H-polymer STP transparent
<b>Technical information</b>				
<b>Packing</b>	■ cartridges 310 ml; carton (15)	■ cartridges 310 ml; carton (15)	■ cartridges 290 ml; carton (15)	■ cartridges 290 ml; carton (15)
<b>Base</b>	silicone	alcoxy silicone	hybrid polymer	hybrid polymer
<b>Type of curing</b>	acetate	neutral alcoxy group	neutral alcoxy group	neutral alcoxy group
<b>Processing time</b>	cca. 25 min	cca. 10 min	cca. 6 min	cca. 6 min
<b>Curing time</b>	2 mm/24h (relative humidity 55%)	2 mm/24h (relative humidity 55%)	2 - 3 mm/24 h	2 - 3 mm/24 h
<b>Application's temperature</b>	from 5 to 40 °C	from 5 to 40 °C	from 5 to 35 °C	from 5 to 35 °C
<b>Thermal resistance</b>	from -40 to +180 °C	from -40 to +180 °C	from -40 to +90 °C	from -40 to +90 °C
<b>Application field</b>	Versatile use, suitable for glazing, sealing partition walls, window niches etc. Not suitable for bonding mirrors, aquariums and natural stone or unprotected metals.	Suitable for attaching decorative mirrors on different substrates such as glaze, glass, plaster, concrete, OSB board, wood, plywood, etc. It is also useful for bonding mirror mosaics (mirror to mirror), mirrors in bathrooms and on substrates which may be subject to vibration and tension.	Suitable for bonding and sealing all building materials - stone, wood, concrete, metal, bricks, glass, ceramics, plaster, polyurethane, plastics, plywood, etc. It is also suitable for elastic joints in vibrating structures, for connection elements made of galvanized steel sheet, brass and other metals.	Suitable for bonding and sealing in interiors and exteriors, resistant to extreme weather conditions and UV radiation. Usable for most materials (mirrors, aluminium, polycarbonate, wood, plastics, building materials), water resistant, transparent.



Accessories for silicones and MS polymer



Hranipex application pistol

High quality application pistols designed for long-term application without effort (efficient gearing). Also very suitable for application of H-polymer MS.

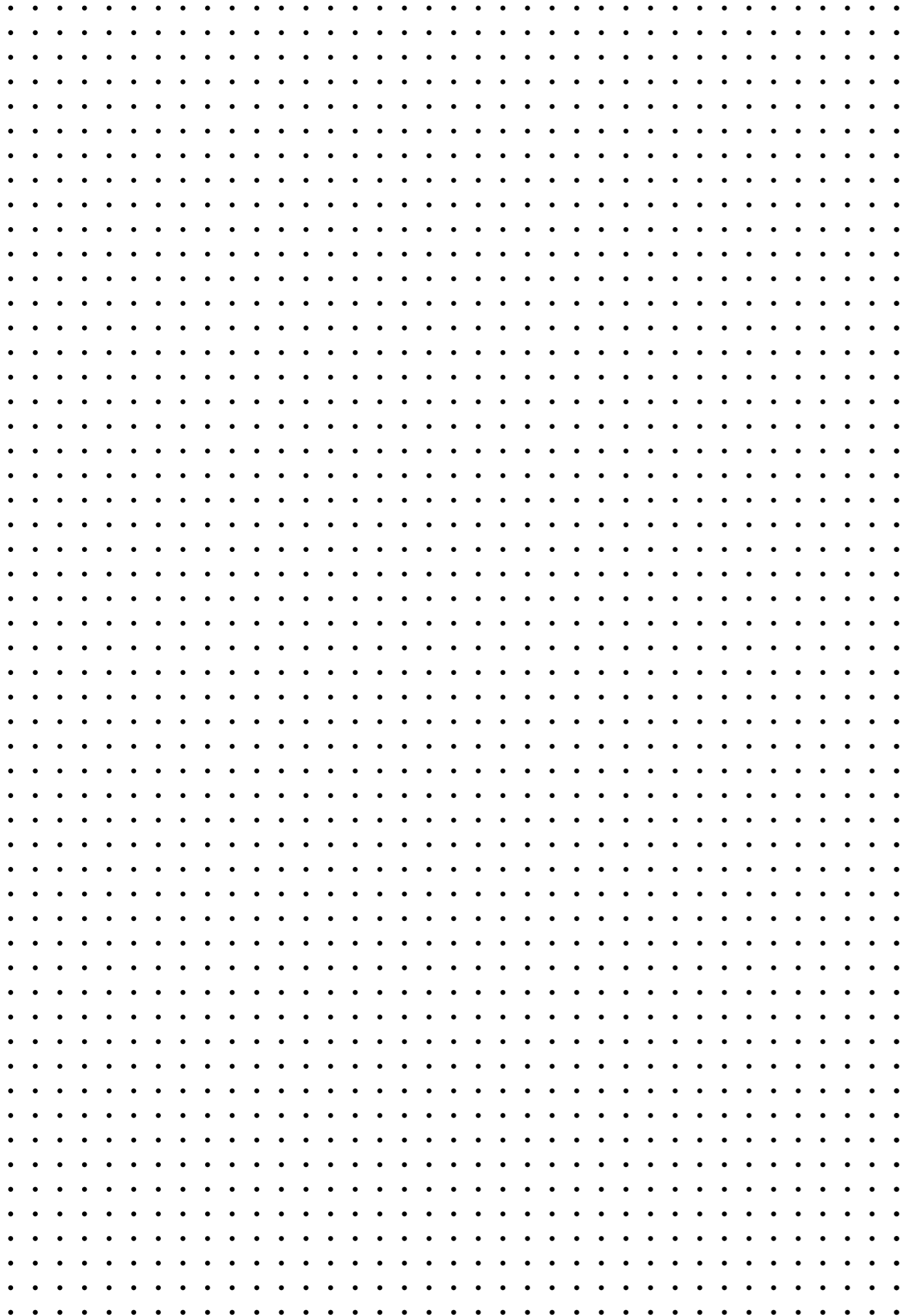


# Cleaning agents

Hranipex → 52

Riepe → 54

Jowat → 56



# Cleaning agents

We recommend cleaning agents to help keep your edges clean throughout the edge banding process. Whether you are working with an edge banding machine or manually.

## Types of cleaning agents

→ Hraniclean











For manual cleaning

→ Riepe

For machine cleaning the interior of edge banding machines

→ Jowat

For maintenance of edge banding machines

									
<b>Hraniclean 01</b> → manual cleaner for cleaning plastics	<b>Hraniclean 03</b> → cleaner non-hardened PUR adhesives	<b>Hraniclean 04</b> → cleaner hardened PUR adhesives	<b>Hraniclean 05</b> → cleaner of joinery tools	<b>Hraniclean 07</b> → concentrated cleaning agent for PVAc glue and paints	<b>Hraniclean 08</b> → cleaning agent for sensitive surfaces	<b>Hraniclean SEP 11</b> → releasing agent for PVAc adhesives	<b>Hraniclean KLZ 21</b> → slipping agent for planing machines	<b>Hraniclean - drain tap</b>	<b>Hraniclean - microfibre cloth</b>
■ 1; 5; 20 l	■ 1 l	■ 1 l	■ 1; 5 l	■ 1; 20 l	■ 200 ml spray; ■ 600 ml spray; ■ 1; 5; 20 l	■ 1 l	■ 1; 5 l	■ 1 piece For 20 and 30 litre plastic canisters	■ 1 piece For final cleaning of furniture parts with manual cleaning agents
Special, hydrocarbon and alcohol-based Hraniclean 01 cleaner does not contain aggressive solvents. The Hraniclean 01 for plastics cleaning features: strong cleaning power, fast drying, evaporation without any residues and nice citrus smell. It leaves no greasy marks and it can clean a glue, pencil and marker pen blots. To clean, use a clean fabric or paper towel.	Removes and dissolves uncured polyurethane-based adhesives (PUR adhesives). The product, which is intended to clean tools, can be used to remove the PUR foam and PUR adhesives from other materials; because of the aggressive nature of the remover, however, it is necessary that the remover is tested first. To clean, use a clean fabric or paper towel.	Dissolves cured polyurethane-based adhesives (PUR adhesives). The product, which is intended to clean tools, acts over several minutes because of cured polyurethane adhesives resistance. The remover does not dissolve the adhesive completely, but it can release it from the tool surface. In exceptional cases, it can be used to clean other materials, however, always after performing tests.	Removes grease and resins. It is suitable for saw blades, drills, milling cutters, machine covers, etc. Prolonged action can damage some painted surfaces and aluminium alloys.	Swells and releases the dried water-based varnishes, paints and PVAc adhesives. Cleans painted units, printing forms, circulation areas, floors, tools, etc. Do not use as a concentrate, the undiluted remover does not work! How to dilute with water: the ratio of 1:5 is suitable for highly stubborn deposits, the ratio of 1:14 is suitable for dried weaker deposits, and the ratios from 1:30 to 1:60 are suitable for non-dried deposits. Apply the remover to the surface to be cleaned (dip), leave to act for a few minutes, wipe with a cloth and wash with water.	Hand cleaner of high glossy furniture parts and sensitive or dark surfaces. It leaves no coating on the cleaned surface, evaporates quickly. To clean, use a clean fabric or paper towels. Test before using.	On treated surfaces, the separating liquid creates a thin film, which prevents the PVAc adhesives to stick. Before using, dilute with water in a ratio of 1:4, apply to treated surfaces and allow to dry.	The lubricant is a low viscosity product that creates long-acting film, thereby allowing a smooth move shift of wood on a planing bench. Apply the lubricant in small quantities on the planing bench and spread thoroughly with a textile cloth. The lubricant has a cleaning effect on resins, Vaseline and fats. It may break up some rubber seals and rubber parts. Items contaminated with the lubricant should be washed with water and regular detergent. It does not contain any VOC substances.		



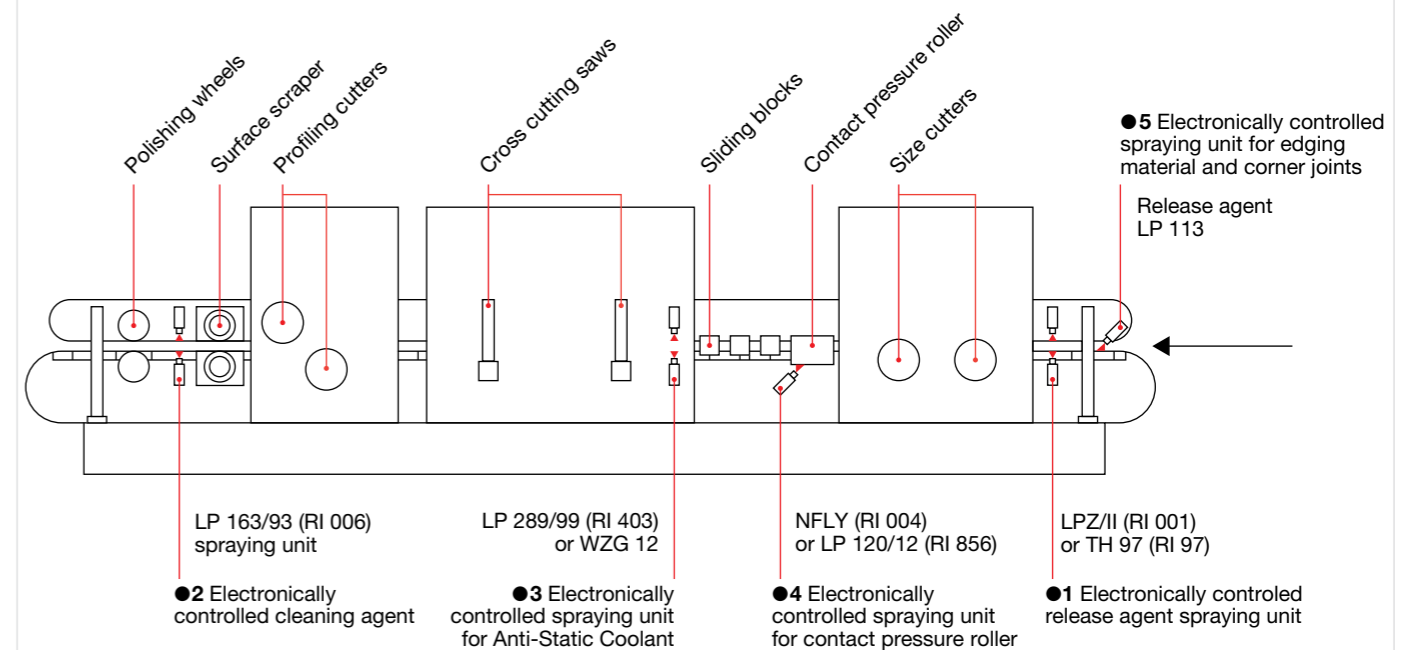
<b>RI 001</b> → release agent LPZ/II	<b>RI 004</b> → release agent NFLY	<b>RI 006</b> → cleaner LP 163/93	<b>RI 403</b> → anti-static coolant LP 289/99	<b>RI 407</b> → Manual cleaning of the components of the feed conveyors of bonding machines RI 407/13
■ 10; 30 l	■ 500 ml (spray); 10; 30 l	■ 10; 30 l	■ 10; 30 l	■ 10; 30 l
Application of special anti-stick substance prevents emerging glue residue from adhering to the workpiece.	Application of this release agent onto the pressure rollers prevents build-up of glue. The release agent is then taken with the edging and carried to the sliding blocks. Glue build-up on the tools is considerably reduced. This anti-stick substance can be sprayed directly onto the edging to prevent the surface being damaged (acryl/aluminium).	Application of this cleaning agent in front of the buffing wheels removes any previously applied cleaning agents and loose remnants of glue. It also cools the edging of the glue joint.	Application of this anti-static coolant discharges the static of the edging and the glue joint is cooled at the same time. Tracer rollers and workpieces remain free from milling chips. The glue dries quicker. Greatly reduces the build-up of glue deposits on the tools.	The cleaner for the rubber parts of moving belts and retaining wheels of the bonding machines. Cleaning of the conveyor belts eliminates the subsequent soiling of the bonding material.



<b>RI 408</b> → manual cleaning of the furniture sections LP 305/98	<b>RI 702</b> → fabric-sisal-lamellar wheels 3:1 ratio	<b>RI 706</b> → textile polishing disc	<b>RI 1810</b> → Lube Pen
■ 1; 5; 30 l	■ 1 piece	■ 1 piece	■ 100 ml
Cleaner for plastics - removes adhesives, pencil and marker print. Made of hydrocarbons and alcohol and does not contain aromatic substances or aggressive solvents. Excellent cleaning power, quick drying, evaporation without residues and has fine scent. It does not leave greasy traces.	→ Higher material density. → Edging is polished. → No stress whitening. Fabric-Sisal-Lamellar Wheels are brushes with a cast mounting core. The lamellae are composed with the ratio 3x fabric and 1xsisal. The fabric in the wheel absorbs the previously applied RI 006 special cleaner. The sisal is used to polish the edge banding.	Fabric buffing wheels are made from extra robust materials. They are composed of 2 x 14 layers of fabric which makes them highly stable and hard-wearing. In combination with the RI 006 special cleaner it perfectly polishes the treated surface of the edging.	High-quality lubricant with a sponge applicator for the guide surface of edge banding machines.
Atypical dimensions of cleaning and polishing discs are available on special order.			

## Spraying units

Spraying units will help reduce the manual cleaning process and prolong the life of the machine. Let's have a look at what different spraying units for applying release and cleaning agents will help you quickly achieve a clean and perfectly glued board.



● 1 Electronic device for spraying anti-stick substance (before pre-milling)

→ Before pre-milling the section use this device to apply a special anti-stick substance on the top and bottom sides of the section; this prevents any residual glue fusing to the section.

● 2 Electronic device for spraying cleaning substance (before cleaning using aggregate)

→ In front of the cleaning and polishing wheels this electronic device sprays a special cleaning substance on the top and bottom sides of the section. Application of this cleaner followed by polishing removes the anti-stick substance sprayed previously as well as any residual glue. In addition to this the radius of the edging is buffed to match the gloss of the surface.

● 3 Electronic device for spraying anti-static coolant

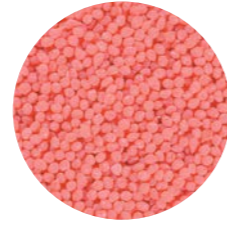
→ This device is the ideal accessory for devices spraying anti-stick substances and cleaners. This makes the glue set quickly and greatly reduces the build-up of deposits on tools. It also serves to discharge the static from the edging.

No impurities are left on copying rollers or furniture sections after milling.  
→ This electronic device for spraying anti-static coolant can be equipped with an additional fine spray nozzle. This nozzle is used to apply the special anti-stick substance to the edging surface, preventing damage to susceptible edging (e.g. acryl/aluminium).

● 4 Electronic device for spraying protective fluid for pressure rollers and sliding blocks

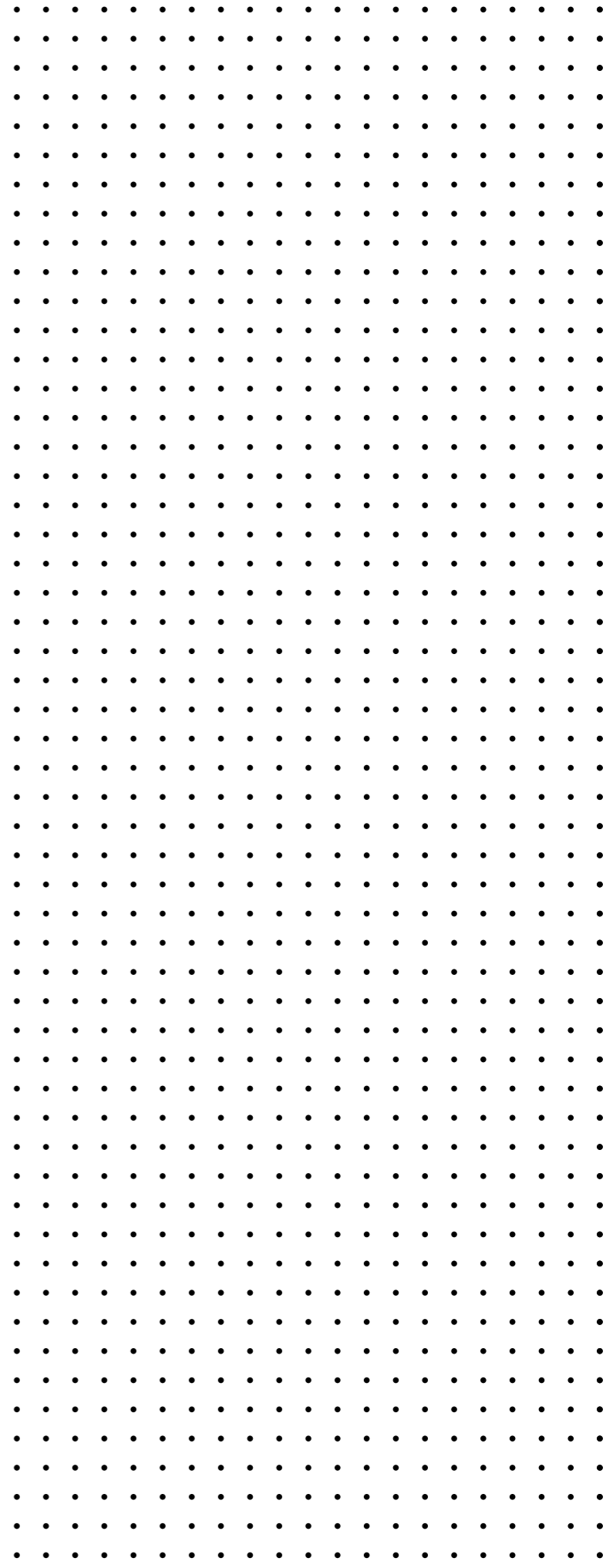
● 5 Electronic device for applying anti-stick substance using a roller

→ We offer special fluids for all of the spraying units listed above. Only when using these liquids your devices will work maintenance free and your production program can result in the desired success.



Jowatherm 236.50      Jowat 401.10      Jowat 930.34      Jowat 930.94 Holz-her patron      Jowat 930.74      Jowat 930.60

Technical information							
Packing	■ granulate 5; 25 kg	■ canister 9 kg	■ granulate 5; 20 kg	■ 1 piece (220 g); carton (25 pieces)		■ cartridge 1.5 kg	■ 1 kg, 10 kg
Base	Polyolefin	Organic solvents	EVA	EVA		EVA	Polyesterpolyol
Recommended application	In melting vessel	Manually on a piece of cloth or by dipping	In melting vessel	In melting vessel		In melting vessel	In melting vessel
Application field							
Regular maintenance of melting and application devices working with hot melt adhesives on the EVA base	●●●	●●●	●	●		●	●
Irregular cleaning of melting, application and metal devices contaminated with hot melt adhesives on the EVA and APAO base	●●	●● (approx. 12 hours dipping)	×	×		×	×
Regular maintenance of melting and application devices working with hot melt adhesives on the PUR base	×	×	●●●	●●●		●●●	●●●
Manual cleaning of edged furniture parts	×	●	×	×		×	×
Manual cleaning of non-hardened single-component polyurethane	×	×	×	×		×	×
Cleaning of tools, melting and application devices contaminated with hardened PUR fusible glue	×	×	×	×		×	●●●

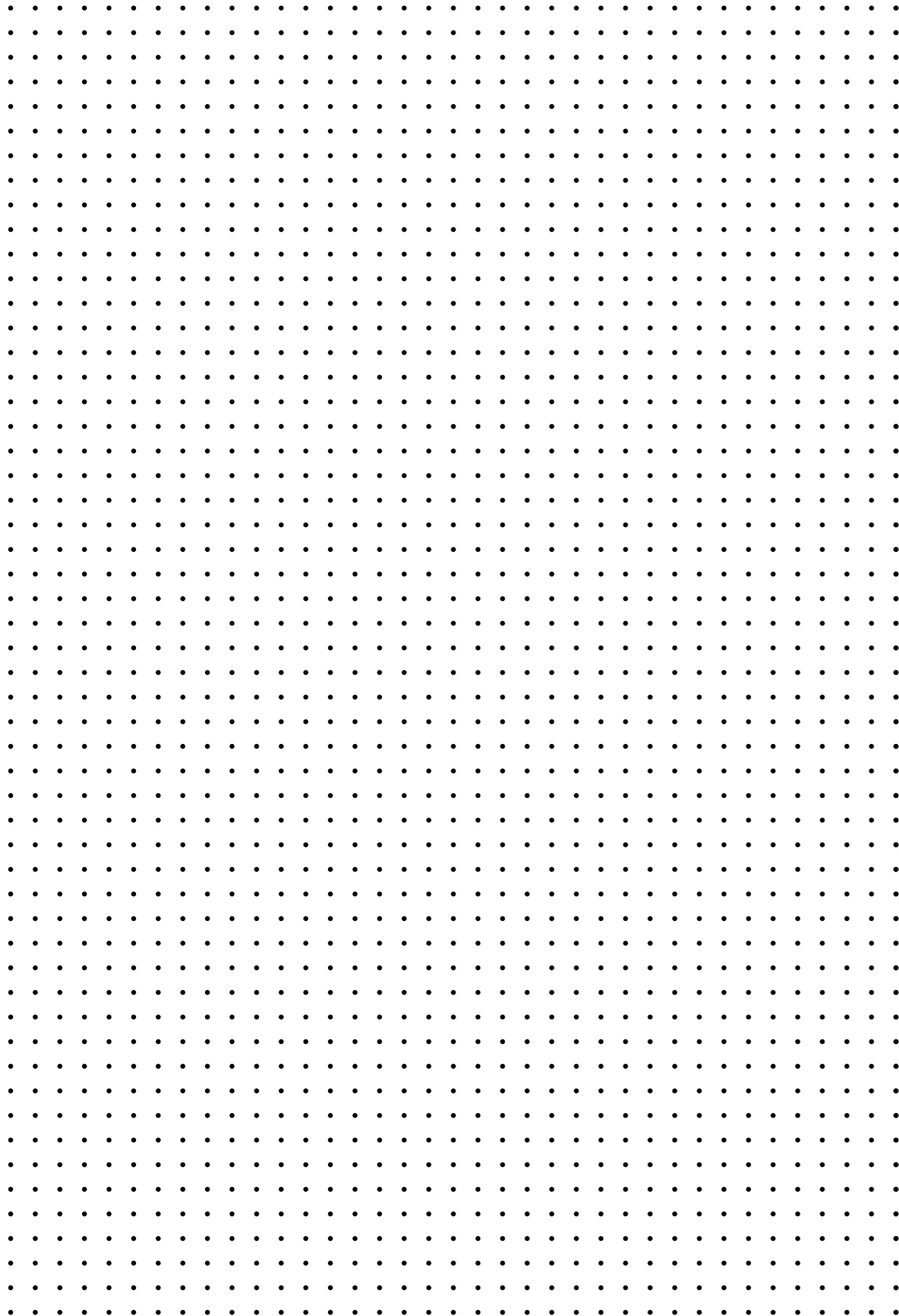


# Comparison tables

To help you find a suitable edge, we have paired them to boards from 85 world-wide material manufactures.

Before ordering, we always recommend you to check the dimensions and appearance of the paired edge to ensure that the combination of décor suits your taste.

Abet Italy	Kaindl Austria	PFLEIDERER 2017
AGT Turkey	KAINDL Trend collection	PFLEIDERER Germany
Akritas Greece	Kastamonu-Yongalam Turkey	PFLEIDERER Poland
ALFA WOOD Greece	KASTAMONU Romania	POLYREY France
Altofina United Kingdom	Koskisen Finland	PUHOS – Finland
American Laminates USA	KRONOSPAN Czech Republic	Puricelli Italy
Argolite Switzerland	KRONOSPAN Bulgaria	
Arpa Italy	KRONOSPAN Croatia	RAL
	KRONOSPAN Germany	RENOLIT
BRIDEC BOARD UK	KRONO EXPRESS COLOUR	REPO BY SORBES – Estonia
Bučina Slovakia	KRONO France	RESOPAL Germany
	KRONO ONE WORLD collection	
Cleaf Italy	KRONOSPAN Italy	Sadun Italy
	KRONOSPAN Riga	SAIB Italy
DDL Czech Republic	KRONOSPAN Poland	SARECO Netherlands
Dekodur GmbH DE	KRONOSPAN Romania	SENOPLAST Austria
DDL DYNAMIC LINE Czech Republic	KRONOSPAN Serbia	SHELMAN Greece
	KRONOSPAN Ukraine	SM'art Italy
ECON – Netherlands	KRONOSPAN United Kingdom	SONAE INDUSTRIA
EGGER Austria	KRONOPOL Poland	SPANODECOR Belgium
Egger 2017-19	KRONOSWISS Switzerland	ŠPIK IVERICA Serbia
Eurowood Frischeis Austria	KRONOSWISS Ukraine	SPRELA Germany
	KRONOWOOD Hungary	SUN-WOOD STAINER Austria
Falca Italy		STARWOOD Turkey
Falco Hungary	Lamarty Russia	STYLIN-ART Belgium
Fantoni Italy	LAMICOL Italy	SWISSPAN by Sorbes Ukraine
Filoxyl Greek	LAMIGA Lithuania	
Finn Forest Finlandia	Laminat Russia	Tischlerzentrum AT
Finsa Spain	LEITOPAL Germany	
Formex Switzerland	LESNA Slovenia	UNILIN Belgium
Formica Group	Lombardo Italy	
Funder Max Austria		Vario Kapak Turkey
	MFC board producers	
GABROVNITSA – Bulgaria	MODEKOR EUROPE GmbH Germany	WESTAG & GETALIT Germany
GIZIR Turkey		Wilsonart EEMEA
Glunz Germany	NCS COLOUR	
Gorenje Group	NEVAMAR USA	Xilopan Italy
Greenlam Laminates India	Niemann DE	YONGALAM Turkey
	NORDECO Russia	
HOMAPAL Germany	NOVOPAN Denmark	
INNOVUS Global brand		
Interspan Hungary		
ISIK Turkey		
Isoroy France		



# Hranipex Service

→ You will always receive good advice with every product. We at Hranipex pride ourselves in our personal approach, and we know a lot about edges and gluing them.

→ Directly in your workshop, we can help you choose the right material and adjust the entire process of furniture edge banding.

→ We treat small carpentry workshops and large buyers alike. You will receive the same high-quality service.

→ We quickly and affordably prepare small quantities or atypicals.

→ Next day delivery available of stocked products.

At Hranipex, we have created a highly accessible network of professionals to help you quickly and efficiently with your enquiries regarding our edges, glues or cleaners. We will help you streamline the entire production process to avoid any unnecessary problems, allowing you to achieve your best. Your craftsmanship.

## Contacts

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**Branches in twelve  
European countries**

