

# Adhesives & Cleaning Agents

**Hranipex**

**EXPECT MORE.**

## Adhesives

EVA Hot Melt Adhesives

PO Hot Melt Adhesives

PUR Hot Melt Adhesives

Dispersion and Flat Area Adhesives

Contact Adhesives & Accessories

Adhesive Tapes & Accessories

Assembly and Construction Adhesives

## Cleaning Agents

Cleaning Agents Hranipex

Cleaning Agents Riepe

Cleaning Agents Jowat

# Adhesives



## EVA Hot Melt Adhesives

### Hranitherm Granules

- Transparent [non-filled] adhesives
- Slightly filled adhesives



## Hranitherm

### Transparent [non-filled] adhesives

### Slightly filled adhesives

	608.30 transparent 608.31 white	603.00 transparent 603.01 white	600.30 transparent 600.31 white 600.39 black	628.10 natural	600.70 natural 600.71 white 600.79 black
<b>Technical information</b>					
<b>Packing</b>	5; 20 kg	5; 20 kg	5; 20 kg	20 kg	5; 25 kg
<b>Base</b>	EVA non-filled	EVA non-filled	EVA non-filled	EVA slightly filled	EVA slightly filled
<b>Softening range [ring and ball]</b>	92 - 102 °C	105 - 115 °C	105 - 115 °C	110 - 120 °C	100 °C
<b>Operating temperature</b>	190 - 220 °C	190 - 220 °C	180 - 200 °C	190 - 210 °C	190 - 210 °C
<b>Operating speed</b>	4 - 8 m/min	8 - 30 m/min	12 - 30 m/min	8 - 40 m/min	10 - 60 m/min
<b>Density at 20 °C</b>	1.00 g/cm³	1.00 g/cm³	1.05 g/cm³	1.09 g/cm³	1.16 g/cm³
<b>Viscosity at 200 °C</b>	Approx. 50 000 - 70 000 mPa·s	Approx. 60 000 - 85 000 mPa·s	Approx. 50 000 - 80 000 mPa·s	140.000 - 170.000 mPa·s	Approx. 50 000 - 80 000 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 Granules

- Medium filled adhesives
- Filled adhesives



## Hranitherm

### Medium filled adhesives

### Filled adhesives

	608.80 natural	600.64 natural 609.64 black	617.00 natural 617.01 white	600.10 natural	600.11 white 600.18 brown 600.19 black
<b>Technical information</b>					
<b>Packing</b>	5; 25 kg	600.64 - 5; 25 kg   609.64 - 25 kg	5; 25 kg	5; 25; 900 kg	5; 25 kg
<b>Base</b>	EVA filled	EVA filled	EVA filled	EVA filled	EVA filled
<b>Softening range [ring and ball]</b>	93 - 100 °C	100 - 110 °C	92 - 102 °C	95 °C	95 - 110 °C
<b>Operating temperature</b>	190 - 220 °C	190 - 210 °C	190 - 210 °C	190 - 210 °C	200 - 220 °C
<b>Operating speed</b>	4 - 8 m/min	10 - 50 m/min	10 - 50 m/min	10 - 50 m/min	10 - 50 m/min
<b>Density at 20 °C</b>	1.25 g/cm³	1.38 g/cm³	1.30 g/cm³	1.53 g/cm³	1.53 g/cm³
<b>Viscosity at 200 °C</b>	Approx. 40 000 - 65 000 mPa·s	Approx. 55 000 - 80 000 mPa·s	Approx. 55 000 - 75 000 mPa·s	Approx. 65 000 - 80 000 mPa·s	Approx. 80 000 - 110 000 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 Granules

- Adhesives with a low melting temperature



### Hranitherm

Adhesives with a low melting temperature

	605.20 natural 605.21 white	600.20 natural 600.21 white
<b>Technical information</b>		
<b>Packing</b>	5; 25 kg	5; 25 kg
<b>Base</b>	EVA filled	EVA filled
<b>Softening range [ring and ball]</b>	79 - 83 °C	85 - 90 °C
<b>Operating temperature</b>	140 - 160 °C	160 - 180 °C
<b>Operating speed</b>	8 - 15 m/min	8 - 15 m/min
<b>Density at 20 °C</b>	1.27 g/cm³	1.35 g/cm³
<b>Viscosity at 200 °C</b>	10 000 - 14 000 mPa·s	Approx. 18 000 - 28 000 mPa·s


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	×	×

## PO Hot Melt Adhesives

Hranitherm Granules



### Hranitherm

	600.58 natural 601.58 white
<b>Technical information</b>	
<b>Packing</b>	25 kg
<b>Base</b>	PO slightly filled
<b>Softening range [ring and ball]</b>	155 - 165 °C
<b>Operating temperature</b>	190 - 220 °C
<b>Operating speed</b>	18 - 50 m/min
<b>Density at 20 °C</b>	1.15 g/cm³
<b>Viscosity at 200 °C</b>	60 000 - 80 000 mPa·s

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

- Transparent [non-filled] adhesives
- Slightly filled adhesives
- Filled adhesives



### Hranitherm

	Transparent [non-filled] adhesives	Slightly filled adhesives	Filled adhesives	Transparent [non-filled] adhesives	Slightly filled adhesives
	603.00 transparent 603.01 white	600.70 natural 600.71 white	600.00 natural 600.01 white	1000.30 transparent 1000.31 white	1000.70 natural 1000.71 white
<b>Technical information</b>					
<b>Packing</b>	1 cartridge; Box 6 kg [24 cartridges]	1 cartridge; Box 7.2 kg [24 cartridges]	1 cartridge; Box 8 kg [24 cartridges]	1 cartridge; Box 6 kg [72 cartridges]	1 cartridge; Box 7.2 kg [72 cartridges]
<b>Base</b>	EVA non-filled	EVA slightly filled	EVA filled	EVA non-filled	EVA slightly filled
<b>Softening range [ring and ball]</b>	105 - 115 °C	100 °C	95 - 105 °C	105 - 115 °C	100 °C
<b>Operating temperature</b>	190 - 210 °C	190 - 200 °C	200 - 220 °C	190 - 210 °C	190 - 200 °C
<b>Operating speed</b>	8 - 30 m/min	10 - 50 m/min	10 - 50 m/min	2 - 4 m/min	2 - 4 m/min
<b>Density at 20 °C</b>	1.00 g/cm³	1.16 g/cm³	1.39 g/cm³	1.00 g/cm³	1.16 g/cm³
<b>Viscosity at 200 °C</b>	60 000 - 85 000 mPa·s	Approx. 50 000 - 80 000 mPa·s	90 000 - 125 000 mPa·s	60 000 - 85 000 mPa·s	50 000 - 80 000 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	• • •	• • •	• • •	×	×
Festool cartridge devices	×	×	×	• • •	• • •

## PUR Hot Melt Adhesives

### Hranitherm Cartridges

- Transparent [non-filled] adhesives
- Slightly filled adhesives
- Filled adhesives



## Hranitherm

	Transparent [non-filled] adhesives		Slightly filled adhesives		Filled adhesives	
	320 PUR LC transparent	830 PUR transparent	390 PUR LC natural 391 PUR LC white	860 PUR natural 861 PUR white	350 PUR natural 351 PUR white	850 PUR natural 851 PUR white
<b>Technical information</b>						
<b>Packing</b>	1.8 kg	2 kg	2 kg	2 kg	2.2 kg	2.5 kg
<b>Base</b>	PUR	PUR	PUR	PUR	PUR	PUR
<b>Softening range [ring and ball]</b>	×	×	×	×	×	×
<b>Operating temperature</b>	130 - 150 °C	130 - 150 °C	130 - 150 °C	140 - 160 °C	140 - 160 °C	140 - 160 °C
<b>Operating speed</b>	10 - 40 m/min	8 - 30 m/min	10 - 60 m/min	8 - 30 m/min	10 - 60 m/min	8 - 30 m/min
<b>Density at 20 °C</b>	1.10 g/cm <sup>3</sup>	1.10 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	1.30 g/cm <sup>3</sup>	1.30 g/cm <sup>3</sup>
<b>Viscosity at 140 °C</b>	Approx. 60 000 mPa·s	50 000 ± 15 000 mPa·s	Approx. 72 500 mPa·s	55 000 ± 15 000 mPa·s	Approx. 60 000 mPa·s	65 000 ± 15 000 mPa·s
<b>Application field</b>						
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	×	×	×	×	×	×

Diisocyanate content below 0,1 %

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

••• very suitable •• suitable • technically possible

## PUR Hot Melt Adhesives

### Hranitherm Mini-cartridges

- Transparent [non-filled] adhesives
- Slightly filled adhesives
- Filled adhesives



## Hranitherm

	Transparent [non-filled] adhesives	Slightly filled adhesives	Filled adhesives	
	10.830 PUR transparent	10.860 PUR natural 10.861 PUR white	10.390 PUR LC natural 10.391 PUR LC white	10.850 natural
<b>Technical information</b>				
<b>Packing</b>	1 kg	1 kg	1 kg	1 kg
<b>Base</b>	PUR	PUR	PUR	PUR
<b>Softening range [ring and ball]</b>	×	×	×	×
<b>Operating temperature</b>	130 - 150 °C	140 - 160 °C	130 - 150 °C	140 - 160 °C
<b>Operating speed</b>	8 - 30 m/min	8 - 30 m/min	8 - 30 m/min	8 - 30 m/min
<b>Density at 20 °C</b>	1.10 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	1.30 g/cm <sup>3</sup>
<b>Viscosity at 140 °C</b>	50 000 ± 15 000 mPa·s	55 000 ± 15 000 mPa·s	Approx. 72 500 mPa·s	65 000 ± 15 000 mPa·s
<b>Application field</b>				
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	×	×	×	×

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## EVA Hot Melt Adhesives

Jowatherm Granules







- Transparent [non-filled] adhesives
- Slightly filled adhesives
- Filled adhesives



### Jowatherm

Transparent [non-filled] adhesives

Slightly filled adhesives

	280.10 transparent 280.11 white	280.30 transparent 280.31 white	280.50 natural 280.51 white
<b>Technical information</b>	 	 	 
<b>Packing</b>	5; 25 kg	5; 25 kg	5; 25 kg
<b>Base</b>	EVA not filled	EVA not filled	EVA slightly filled
<b>Softening range according to Kofler</b>	100 ± 5 °C	90 ± 5 °C	95 ± 5 °C
<b>Operating temperature</b>	190 - 200 °C	180 - 200 °C	180 - 200 °C
<b>Operating speed</b>	8 - 20 m/min	10 - 40 m/min	10 - 75 m/min
<b>Density at 20 °C</b>	1.03 ± 0.03 g/cm <sup>3</sup>	1.03 ± 0.03 g/cm <sup>3</sup>	1.14 ± 0.02 g/cm <sup>3</sup>
<b>Viscosity at 200 °C</b>	165 000 ± 25 000 mPa·s	50 500 ± 12 500 mPa·s	85 000 ± 13 000 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 Cartridges






- Transparent [non-filled] adhesives
- Filled adhesives



### Jowatherm

Transparent [non-filled] adhesives

Filled adhesives

	286.30 transparent	286.31 white	286.60 natural 286.61 white	286.83 black
<b>Technical information</b>			 	
<b>Packing</b>	1 cartridge; box 11.8 kg (48 cartridges)	box 12.2 kg (48 cartridges)	1 cartridge; box 15.4 kg (48 cartridges)	1 cartridge; box 15.9 kg (48 cartridges)
<b>Base</b>	EVA not filled	EVA not filled	EVA filled	EVA filled
<b>Softening range according to Kofler</b>	90 ± 5 °C	90 ± 5 °C	95 ± 5 °C	80 ± 5 °C
<b>Operating temperature</b>	180 - 200 °C	180 - 200 °C	190 - 210 °C	190 - 210 °C
<b>Operating speed</b>	10 - 40 m/min	10 - 40 m/min	10 - 30 m/min	10 - 30 m/min
<b>Density at 20 °C</b>	1.05 ± 0.05 g/cm <sup>3</sup>	1.05 ± 0.05 g/cm <sup>3</sup>	1.30 ± 0.05 g/cm <sup>3</sup>	1.30 ± 0.05 g/cm <sup>3</sup>
<b>Viscosity at 200 °C</b>	50 000 ± 15 000 mPa·s	50 000 ± 15 000 mPa·s	62 500 ± 12 500 mPa·s	62 500 ± 12 500 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	• • •	• • •	• • •	• • •
Festool cartridge devices	×	×	×	×


## PO Hot Melt Adhesives

Jowatherm Granules



### Jowatherm

221.00 transparent  
221.01 white

Technical information	
Packing	25 kg
Base	PO non-filled
Softening range according to Kofler	115 ± 5 °C
Operating temperature	170 - 190 °C
Operating speed	12 - 25 m/min
Density at 20 °C	0.90 ± 0.03 g/cm <sup>3</sup>
Viscosity at 200 °C	23 200 ± 5 200 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	×

## PUR Hot Melt Adhesives





Jowatherm Granules

- Transparent [non-filled] adhesives
- Filled adhesives



### Jowatherm

Transparent [non-filled] adhesives    Filled adhesives

	608.00 transparent 608.01 white	607.40 natural 607.41 white	607.50 natural 607.51 white	607.60 natural
Technical information				
Packing	0.5 kg	0.6 kg	0.6 kg	0.6 kg
Base	PUR	PUR	PUR	PUR
Softening range according to Kofler	65 ± 5 °C	70 ± 5 °C	70 ± 5 °C	80 ± 5 °C
Operating temperature	100 - 120 °C	130 - 150 °C	130 - 150 °C	140 - 160 °C
Operating speed	8 - 30 m/min	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min
Density at 20 °C	1.10 ± 0.10 g/cm <sup>3</sup>	1.36 ± 0.06 g/cm <sup>3</sup>	1.35 ± 0.05 g/cm <sup>3</sup>	1.32 ± 0.05 g/cm <sup>3</sup>
Viscosity at 140 °C	90 000 ± 30 000 mPa·s (120 °C)	75 000 ± 25 000 mPa·s	75 000 ± 25 000 mPa·s	75 000 ± 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	×	×	×	×

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

••• very suitable    •• suitable    • technically possible

## PUR Hot Melt Adhesives

Jowatherm Cartridges HOLZ-HER

- Transparent [non-filled] adhesives
- Filled adhesives



### Jowatherm

Transparent [non-filled] adhesives

Filled adhesives

	608.00 transparent 608.01 white	607.40 natural 607.41 white	607.50 natural 607.51 white
<b>Technical information</b>			
<b>Packing</b>	260 g cartridge	320 g cartridge	320 g cartridge
<b>Base</b>	PUR	PUR	PUR
<b>Softening range according to Kofler</b>	65 ± 5 °C	70 ± 5 °C	70 ± 5 °C
<b>Operating temperature</b>	100 - 120 °C	130 - 150 °C	130 - 150 °C
<b>Operating speed</b>	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min
<b>Density at 20 °C</b>	1.10 ± 0.10 g/cm³	1.36 ± 0.06 g/cm³	1.35 ± 0.05 g/cm³
<b>Viscosity at 140 °C</b>	90 000 ± 20 000 mPa·s (120 °C)	75 000 ± 25 000 mPa·s	75 000 ± 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	• • •	• • •	• • •

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

## PUR Hot Melt Adhesives

Jowatherm Cartridges

- Transparent [non-filled] adhesives



### Jowatherm

Transparent [non-filled] adhesives

	608.00 transparent 608.01 white	608.90 MR transparent 🌱 608.91 MR white 🌱	607.30 transparent
<b>Technical information</b>			
<b>Packing</b>	2 kg	2 kg	2 kg
<b>Base</b>	PUR	PUR	PUR
<b>Softening range according to Kofler</b>	65 ± 5 °C	70 ± 5 °C	65 ± 5 °C
<b>Operating temperature</b>	100 - 120 °C	120 - 140 °C	100 - 120 °C
<b>Operating speed</b>	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min
<b>Density at 20 °C</b>	1.10 ± 0.10 g/cm³	1.10 ± 0.10 g/cm³	1.10 ± 0.10 g/cm³
<b>Viscosity at 140 °C</b>	90 000 ± 20 000 mPa·s (120 °C)	60 000 ± 20 000 mPa·s	49 600 ± 16 400 mPa·s (120 °C)

#### 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	×	×	×

🌱 Diisocyanate content below 0,1 %

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

## PUR Hot Melt Adhesives

Jowatherm Cartridges

- Filled adhesives



## Jowatherm

Filled adhesives

	607.40 natural 607.41 white 607.43 black	607.50 natural 607.51 white	607.60 natural	607.90 MR natural 607.91MR white
<b>Technical information</b>				
<b>Packing</b>	2.5 kg	2.5 kg	2.5 kg	2.5 kg
<b>Base</b>	PUR	PUR	PUR	PUR
<b>Softening range according to Kofler</b>	70 ± 5 °C	70 ± 5 °C	80 ± 5 °C	108 ± 5 °C
<b>Operating temperature</b>	130 - 150 °C	130 - 150 °C	140 - 160 °C	120 - 140 °C
<b>Operating speed</b>	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min	12 - 30 m/min
<b>Density at 20 °C</b>	1.36 ± 0.06 g/cm³	1.35 ± 0.05 g/cm³	1.32 ± 0.05 g/cm³	1.28 ± 0.07 g/cm³
<b>Viscosity at 140 °C</b>	75 000 ± 25 000 mPa·s	75 000 ± 25 000 mPa·s	75 000 ± 25 000 mPa·s	75 000 ± 25 000 mPa·s
<b>Application field</b>				
<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>	×	×	×	×

Diisocyanate content below 0,1 %

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

••• very suitable •• suitable • technically possible

## Dispersion and Flat Area Adhesives

Dispersion Adhesives Hranipex



## Hranicoll

	Hranicoll D2	Hranicoll D3	Hranicoll D3 SMART	Hranicoll D3 Veneer
<b>Technical information</b>				
<b>Packing</b>	20 kg*	800 ml; 20 kg*	5; 10; 20* kg; IBC 1 100 kg	30 kg
<b>Base</b>	PVAc	PVAc	PVAc	PVAc
<b>According to Norm EN 204</b>	D2	D3	D3	D3
<b>Open time in minutes at 20 °C</b>	8 - 12	5 - 8	12 - 15	4 - 6
<b>pH</b>	4.4 - 5.0	3.2	5.0 ± 0.5	4.8 ± 0,3
<b>Solids</b>	42 ± 2 %	approx. 50 %	46 ± 1	50 ± 1 %
<b>Viscosity (Brookfield 23 °C)</b>	14 000 ± 2 000 mPa·s	12 000 ± 3 000 mPa·s	9 000 ± 1 500 mPa·s	14 000 ± 3 000 mPa·s
<b>Application field</b>				
<b>Furniture bonding</b>	• • •	• • •	• • •	• • •
<b>Soft wood</b>	• • •	• • •	• • •	• • •
<b>Hardwood</b>	• • •	• • •	• • •	• • •
<b>Windows and doors</b>	• • •	• • •	• • •	• • •
<b>Flat gluing veneers, HPL</b>	• • •	• • •	• • •	• • •
<b>3D gluing in vacuum press</b>	×	×	×	×
<b>Automatic gluing wooden dowels</b>	×	×	×	×
Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.				

\* The 20 kg units are heavy-duty canisters, suitable for rough handling.

••• very suitable •• suitable • technically possible

## Dispersion and Flat Area Adhesives

Dispersion Adhesives Hranipex



### Hranicoll

	Hranicoll D3 Standard	Hranicoll D4	Hranicoll DW
<b>Technical information</b>			
<b>Packing</b>	30 kg	800 ml; 5 kg; 20* kg	20* kg
<b>Base</b>	PVAc	PVAc	PVAc
<b>According to Norm EN 204</b>	D3	D4	×
<b>Open time in minutes at 20 °C</b>	3 - 5	8 - 12	8 - 12
<b>pH</b>	3.2 ± 0.5	2.6 - 3.2	4.0 - 6.0
<b>Solids</b>	50 ± 1 %	49 - 52 %	28 %
<b>Viscosity (Brookfield 23 °C)</b>	8 000 ± 1 500 mPa.s	3 500 - 8 000 mPa.s	500 - 1 000 mPa.s

#### Application field

<b>Furniture bonding</b>	● ● ●	● ● ●	×
<b>Soft wood</b>	● ● ●	● ● ●	×
<b>Hardwood</b>	● ● ●	● ● ●	×
<b>Windows and Doors</b>	● ● ●	● ● ●	×
<b>Flat gluing Veneers, HPL</b>	● ● ●	● ● ●	×
<b>3D gluing in vacuum press</b>	×	×	×
<b>Automatic gluing wooden dowels</b>	×	×	● ● ●

Product sensitive to low temperatures.  
During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

\* The 20 kg units are heavy-duty canisters, suitable for rough handling.

## Dispersion and Flat Area Adhesives

Dispersion Adhesives Jowat



### Jowacoll

	Jowacoll 103.05	Jowacoll 113.10	Jowacoll 114.60	Jowacoll 124.00	Jowacoll 114.80
<b>Technical information</b>					
<b>Packing</b>	5; 10; 20* kg; 30 kg	5; 25 kg	25 kg	25 kg	25 kg
<b>Base</b>	PVAc	PVAc	PVAc	PVAc	PVAc
<b>According to Norm EN 204</b>	D3 / D4	D2	×	D2	×
<b>Open time in minutes at 20 °C</b>	6 ± 2	4 ± 2	×	6 ± 1	×
<b>pH</b>	3,0 ± 0,5	5,0 ± 0,5	4,5 ± 0,5	7,0 ± 0,5	5 ± 1,0
<b>Solids</b>	50 ± 2 %	59,5 ± 2,5 %	39 ± 3 %	65,5 ± 1,5 %	47 ± 2 %
<b>Viscosity (Brookfield 23 °C)</b>	12 000 ± 3 000 mPa.s	16 000 ± 2 000 mPa.s	330 ± 30 mPa.s	9 500 ± 1 000 mPa.s	9 000 ± 2 000 mPa.s

#### Application field

<b>Furniture bonding</b>	● ● ●	● ● ●	×	● ● ●	×
<b>Soft wood</b>	● ● ●	● ● ●	×	● ● ●	×
<b>Hardwood</b>	● ● ●	● ● ●	×	● ● ●	×
<b>Windows and doors</b>	×	×	×	×	×
<b>Flat gluing veneers, HPL</b>	● ● ●	● ● ●	×	● ● ●	×
<b>3D gluing in vacuum press</b>	×	×	×	×	×
<b>Automatic gluing wooden dowels</b>	×	×	● ● ●	×	● ● ●

Product sensitive to low temperatures.  
During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

\* The 20 kg units are heavy-duty canisters, suitable for rough handling.



Hranicoll spatula

## Dispersion and Flat Area Adhesives

Urea-Formaldehyde Resin



UF Resin	Hraniresin 41	Hraniresin 47	Jowat 950.20
<b>Technical information</b>			
Packing	25 kg	25 kg	25 kg
Base	urea-formaldehyde resin	urea-formaldehyde resin	urea-formaldehyde resin
According to Norm EN 204	×	×	×
Open time in minutes at 20 °C	approx. 10	approx. 10	approx. 13
pH	4.5 - 6.5	4.0 - 6.5	5.8
Viscosity (Brookfield 23 °C)	2 500 - 5 500 mPa.s	2 000 - 7 000 mPa.s	×
<b>Application field</b>			
Furniture bonding	×	×	×
Soft wood	● ● ●	● ● ● (hot)	● ● ● (hot)
Hardwood	● ● ●	● ● ● (hot)	● ● ● (hot)
Windows and doors	×	×	×
Flat gluing veneers, HPL	● ● ●	● ● ● (hot)	● ● ● (hot)
3D gluing in vacuum press	● ● ●	×	×
Automatic gluing wooden dowels	×	×	×

●●● very suitable ●● suitable ● technically possible

## Contact Adhesives & Accessories

Hranipex Adhesives



Hranifix	Hranifix Premium	Hranifix Smart	Hranifix DCM Free
<b>Technical information</b>			
Packing	spray 500 ml; carton [12 pcs]; 17; 47.5 kg kegs	spray 500 ml; carton [12 pcs]; 17; 47.5 kg kegs	spray 500 ml; carton [12 pcs]; 17; 47.5 kg kegs
Base	polychloroprene	polychloroprene	polychloroprene
Pre-drying time in minutes in 20 °C	2 - 5	2 - 5	5 - 10
Solids	38 - 42 %	28 - 32 %	38 - 42 %
<b>Application</b>			
By hand, palette-knife, brush or roller	×	×	×
By spraying	● ● ●	● ● ●	● ● ●
<b>Application field</b>			
	Suitable for the gluing of MDF, DTD, Polyurethane foam, laminates and lots of plastic materials [without plasticizers], ABS, aluminium sheets into most metals and also wood floorings, PVC and other materials. Water resistant contact, high temperature resistance 130 °C.	Designed for bonding many substrates including: decorative laminates to particle board, veneers, woods, MDF, plastics [without plasticizers], rubber, upholstery and whole host of other materials. Water resistant, temperature stability 105 °C.	Suitable for bonding wood, particle board, MDF, DTD, polyurethane foam, laminates, cardboard, most plastics [without plasticizers], 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.	The hose and the gun are advised to be purchased for the application process.	The hose and the gun are advised to be purchased for the application process.

●●● very suitable ●● suitable ● technically possible



**Hranifix Hose 3.6 m**  
Important tool for correct glue application from keg



**Hranifix Gun**  
Important tool for correct glue application from keg



**Hranifix Pressure Rollers**  
Standard or extended length available






**Hranifix Cleaning Agent, 17 kg**  
For cleaning application hoses and pistols.

## Contact Adhesives & Accessories

Hranipex Adhesives

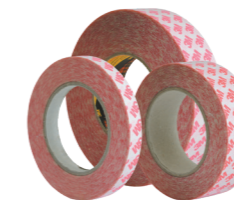


Hranicon	Hranicon 30	Hranicon 50
<b>Technical information</b>		
<b>Packing</b>	1 l; 5 l can	1 l; 20 l can
<b>Base</b>	polychloroprene	polychloroprene
<b>Pre-drying time in minutes in 20 °C</b>	3 - 10	3 - 10
<b>Product structure</b>	1 component liquid higher viscosity	1 component liquid lower viscosity
<b>Viscosity</b>	7500 - 8 500 m Pas	350 m Pas
<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 (without plasticizers) to metals</b>	● ● ●	● ● ●
<b>Hand shape gluing with cold temperature</b>	● ● ●	● ● ●

 Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

## Adhesive Tapes & Accessories

Tape



Hranitape	Hranitape red	Hranitape green	Hranitape - Urethane Foam Tape 4026	Hranitape UNI	Hranitape manual applicator
<b>Technical information</b>					
<b>Packing</b>	1 piece	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).	For smooth and easy Hranitape application

## Assembly and Construction Adhesive

Adhesive - PUR



Hranipur	Hranipur 15	Hranipur 45	Hranipur SPEED	Hranipur 05
<b>Technical information</b>				
<b>Packing</b>	1 piece 800 g; carton [12 pcs]	1 piece 800 g; carton [12 pcs]	cartridge 310 ml; carton [12 pcs]	cartridge 310 ml; carton [24 pcs]
<b>Base</b>	PUR prepolymer	PUR prepolymer	PUR prepolymer	PUR prepolymer
<b>Open time in minutes in 20 °C</b>	15 - 25	25 - 45	0.5 (30 sec)	5 - 10
<b>Minimal pressing time in min. in 20°C</b>	60	120	5 - 10	15 - 20

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	● ● ●	● ● ●	● ● ●	● ● ●

Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

## Assembly and Construction Adhesive

Adhesive - PUR



Jowapur	Jowapur 685.04	Jowapur 685.12	Jowapur 687.22	Jowapur 687.40
<b>Technical information</b>				
<b>Packing</b>	1 kg	1 kg	1 kg	1 kg
<b>Base</b>	PUR prepolymer	PUR prepolymer	PUR prepolymer	PUR prepolymer
<b>Open time in minutes in 20 °C</b>	4 ± 1	10 ± 2	18 ± 2	35 ± 5
<b>Minimal pressing time in min. in 20°C</b>	12.5 ± 2.5	20 - 30	57.5 ± 2.5	105 - 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	● ● ●	● ● ●	● ● ●	● ● ●

Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

From August 24, 2023, appropriate training must be completed prior to the industrial or commercial use of PUR products containing more than 0.1% diisocyanate.

## Assembly and Construction Adhesive

Silicones



H-silicone	H-silicone transparent	H-silicone white	H-silicone mirror transparent
<b>Technical information</b>			
<b>Packing</b>	cartridge 310 ml; carton [15 pcs]	cartridge 310 ml; carton [15 pcs]	cartridge 310 ml; carton [12 pcs]
<b>Base</b>	silicone	silicone	alcoxy silicone
<b>Type of curing</b>	acetate	acetate	neutral alcoxy group
<b>Processing time</b>	approx. 25 min	approx. 25 min	approx. 10 min
<b>Curing time</b>	2 mm / 24 h (relative humidity 55%)	2 mm / 24 h (relative humidity 55%)	2 mm / 24 h (relative humidity 55%)
<b>Application's temperature</b>	from 5 to 40 °C	from 5 to 40 °C	from 5 to 40 °C
<b>Thermal resistance</b>	from -40 to +180 °C	from -40 to +180 °C	from -40 to +180 °C

Application field	H-silicone transparent	H-silicone white	H-silicone mirror transparent
	Versatile use, suitable for glazing, sealing partition walls, window niches etc.  Not suitable for bonding mirrors, aquariums and natural stone or unprotected metals.	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.

Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

## Assembly and Construction Adhesive

Polymers



H-polymers	H-polymer MS white	H-polymer MS black	H-polymer MS transparent	H-polymer STP transparent	Hranipex application gun
<b>Technical information</b>					
<b>Packing</b>	cartridge 290 ml; carton [15 pcs]	cartridge 290 ml; carton [15 pcs]	cartridge 290 ml; carton [15 pcs]	cartridge 290 ml; carton [15 pcs]	1 piece
<b>Base</b>	hybrid polymer	hybrid polymer	hybrid polymer	hybrid polymer	×
<b>Type of curing</b>	neutral alcoxy group	neutral alcoxy group	neutral alcoxy group	neutral alcoxy group	×
<b>Processing time</b>	approx. 6 min	approx. 6 min	approx. 6 min	6 - 8 min	×
<b>Curing time</b>	2 - 3 mm / 24 h	2 - 3 mm / 24 h	2 - 3 mm / 24 h	1 - 2 mm / 24 h	×
<b>Application's temperature</b>	from 5 to 35 °C	from 5 to 35 °C	from 5 to 35 °C	from 5 to 45 °C	×
<b>Thermal resistance</b>	from -40 to +90 °C	from -40 to +90 °C	from -40 to +90 °C	from -60 to +80 °C	×

Application field	H-polymer MS white	H-polymer MS black	H-polymer MS transparent	H-polymer STP transparent	Hranipex application gun
	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.	High quality application guns designed for longterm application without effort [efficient gearing]. Also very suitable for application of H-silicones and H-polymers.

Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

## Assembly and Construction Adhesive

Acrylic Sealants and Chemical Anchor







Acrylic Sealant White

Silicone Acryl White

Silicone Acryl Transparent

Chemical Anchor

Technical information				
<b>Packing</b>	Cartridge 280 ml	Cartridge 280 ml	Cartridge 280 ml	Cartridge 280 ml
<b>Base</b>	Acrylic dispersion	Silicone-Acrylic dispersion	Silicone-Acrylic dispersion	Vinylester resin (Styrene-Free)
<b>Type of curing</b>	Physical (water evaporation)	Physical (water evaporation)	Physical (water evaporation)	Chemical (2-component reaction)
<b>Processing time</b>	≈ 7 min	≈ 30 min	≈ 30 min	2 - 90 min (temp. dependent)
<b>Curing time</b>	Becomes tack-free quickly	Becomes tack-free quickly	Becomes tack-free quickly	15 min - 24 hours (temp. dependent)
<b>Application's temperature</b>	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C to +40 °C	-10 °C to +40 °C
<b>Thermal resistance</b>	-20 °C to +75 °C	-20 °C to +75 °C	-20 °C to +75 °C	-40 °C to +80 °C

### Application field

For interior transports of cracks in plaster, masonry, wood, and concrete. Sealing joints around window/door frames. Suitable for steel and galvanized surfaces. Paintable with acrylic and dispersion paints.

For interiors; combines the paintability of acrylic with the higher elasticity of silicone. For sealing joints between window frames, doors, and masonry. High adhesion to wood, concrete, and PVC.

For interiors; provides a transparent finish after curing (white during application). Suitable for sealing window sills, stairs, and joints where a less visible seal is desired.

For professional, high-load anchoring of threaded rods and rebar in concrete, masonry, hollow brick, and natural stone. Suitable for interior and exterior use, even in damp or flooded holes.



Product sensitive to low temperatures. During the winter months, transport conditions are handled on an individual basis to maintain the quality of the adhesive.

# Cleaning Agents



## Hranipex Cleaning Agents

Manual Cleaners



### Hraniclean

#### Technical information

#### Packing

#### Application field

#### Hraniclean Soft Line

cleaning agent for daily cleaning of furniture surfaces

spray 500 ml; 5; 20 l

Hraniclean Soft Line is a household cleaner with a delicate citrus scent for everyday use. Suitable for cleaning furniture surfaces [laminated, high gloss and matt], glasses and mirrors. It also removes fingerprints from surfaces and finishes with a natural look of furniture thanks to the active foam.

#### Hraniclean 01

manual cleaner for cleaning plastics

1; 5; 20 l

Special, hydrocarbon and alcohol-based Hraniclean 01 cleaner does not contain aggressive solvents. The Hraniclean 01 for cleaning plastics features: strong cleaning power, fast drying, evaporation without any residues and nice citrus smell. It leaves no greasy marks and it can clean glue residue, pencil and marker pen marks.

To clean, use a clean HRANIWIPE Microfibre cloth.

#### Hraniclean 03

cleaner non-hardened PUR adhesives

1 l

Removes and dissolves uncured polyurethane-based adhesives [PUR adhesives]. The product, which is intended to clean tools, 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.

#### Hraniclean 04

cleaner hardened PUR adhesives

1 l

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.

#### Hraniclean 05

cleaner of joinery tools

1; 5; 10 l

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.

#### Hraniclean 07

concentrated cleaning agent for PVAc glue and paints

1; 20 l

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.

## Hranipex Cleaning Agents

Manual Cleaners



### Hraniclean

#### Technical information

#### Packing

#### Application field

#### Hraniclean 08

cleaning agent for sensitive surfaces

spray 200; 600 ml; 1; 5; 20 l

Hand cleaner of high gloss furniture parts and sensitive or dark surfaces. It leaves no coating on the cleaned surface, evaporates quickly. To clean, use a clean HRANIWIPE Microfibre cloth. Test before using.

#### Hraniclean 11

manual cleaner fragrance free

1; 5; 20 l

Hand special clear cleaner without aggressive solvents for manual cleaning plastics is characterized by strong cleaning power, fast drying of the surface. It is based on hydrocarbons and alcohol, evaporates without any residues and without citrus smell. It can be used further, for clean a glue, pencil as well as alcohol marker pen.

#### Hraniclean SEP 11

releasing agent for PVAc adhesives

1 l

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 allows to dry.

#### Hraniclean KLZ 21

slipping agent for planing machines

1; 5; 20 l

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.

## Hranipex Cleaning Agents

Machine Cleaners



### Hraniclean

Hraniclean 101

Hraniclean 103

Hraniclean 104

Hraniclean 106

#### Technical information

#### Packing

5; 20 l

5; 20 l

5; 20 l

5; 20 l

#### Application field

Ethanol-based release agent prevents adhesive buildup (PUR, EVA, PO), cutting downtime and extra cleaning costs.

Blue anti-static coolant keeps edges clean, tools protected, and sensors chip-free.

Green versatile release agent reduces friction and protects delicate surfaces during edgebanding.

Red cleaning agent removes residue, ensuring a spotless finish before buffing.

## Hranipex cleaning agents

Accessories



Hraniclean - drain tap

for 5 litre plastic canisters



Hraniclean - drain tap

for 20 and 30 litre plastic canisters

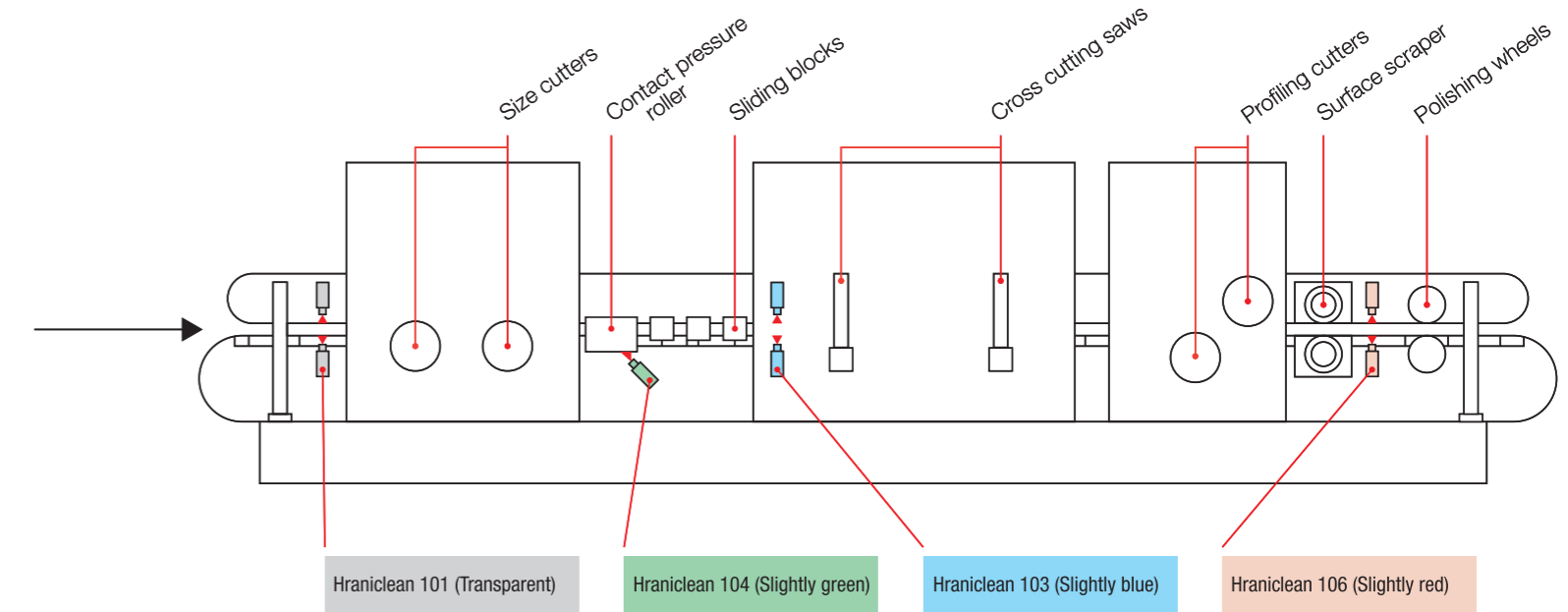


Hraniclean - microfibre cloth

For final cleaning of furniture parts with manual cleaning agents

## Hranipex Cleaning Agents

Machine Cleaners Scheme



## Hranipex Cleaning Agents

Cleaning Agents Hranipexfor EVA and PUR Hot Melts



Hranipex	EVA-cleaner 50	PUR cleaner 890	PUR cleaner 892 HL
<b>Technical information</b>			
<b>Packing</b>	granules 5 kg	granulate 5; 20 kg; cartridge 1.7 kg	1; 10 kg
<b>Base</b>	polyolefin	EVA	polyesterpolyol
<b>Recommended application</b>	in melting vessel	in melting vessel	in melting vessel
<b>Application field</b>			
Regular maintenance of melting and application devices working with hot melt adhesives on the EVA base	● ● ●	● ● ●	● ● ●
Regular maintenance of melting and application devices working with hot melt adhesives on the PUR base	×	● ● ●	● ● ●
Cleaning of tools, melting and application devices contaminated with hardened PUR fusible glue	×	×	● ● ●

## Riepe Cleaning Agents

Manual Cleaners



Riepe	RI 1810	RI 407	RI 408	RI 569	RI 004
<b>Technical information</b>	Lube Pen	manual cleaning of the components of the feed conveyors of bonding machines LP 407/13	manual cleaning of the furniture sections LP 305/98	manual cleaning LP 305/98 plus	release agent NFLY
<b>Packing</b>	100 ml	1; 10; 30 l	1; 5; 30 l	1; 10; 30 l	spray 500 ml
<b>Application field</b>	High-quality lubricant with a sponge applicator for the guide surface of edge banding machines.	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.	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.	Manual cleaner for removing adhesive residue from plastic surfaces and machine components. Effectively cleans a wide range of soiling and is also suitable for removing uncured PUR adhesive. Formulated for medium to heavy contamination.	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).

## Riepe Cleaning Agents

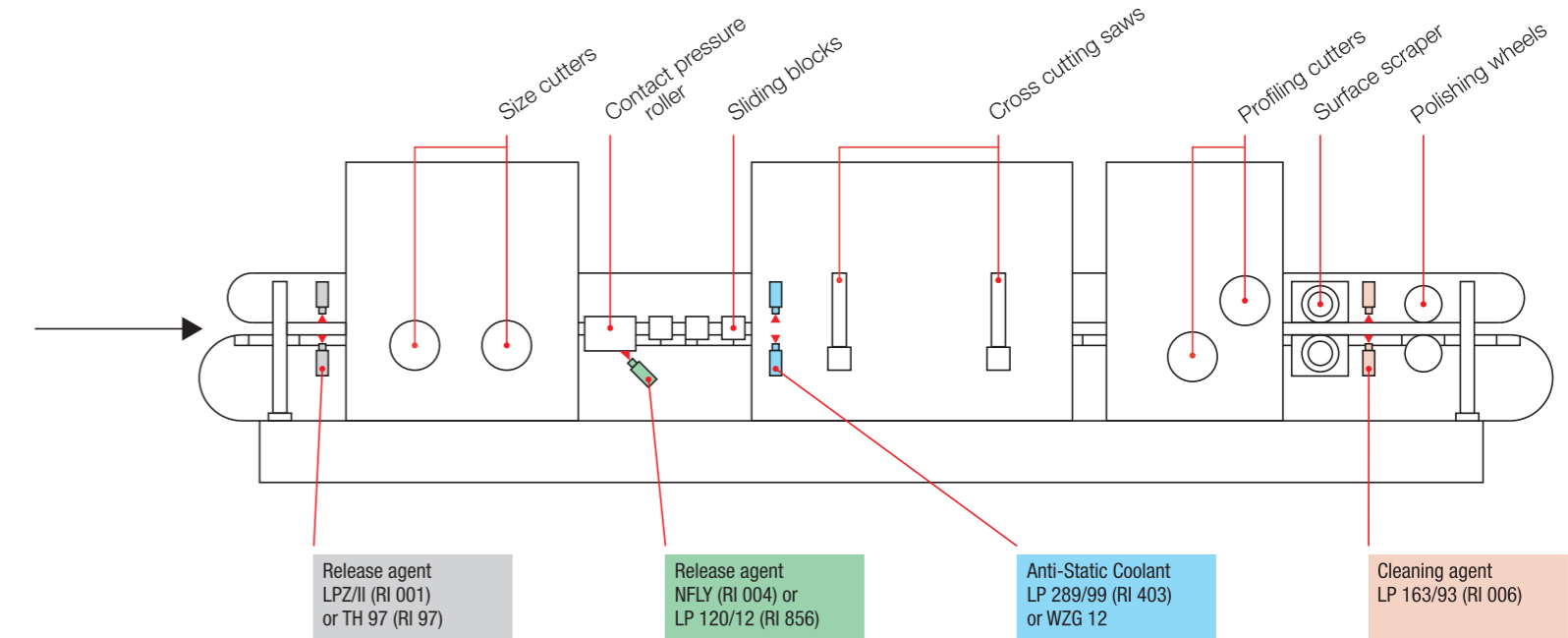
Machine Cleaners



Riepe	RI 001	RI 004	RI 856	RI 403	RI 006	RI TF 25
<b>Technical information</b>	release agent LPZ/II	release agent NFLY	release agent RIEPE LP 120/12	anti-static coolant LP 289/99	cleaner LP 163/93	texture fluid TF 25
<b>Packing</b>	10; 30 l	10; 30 l	30 l	10; 30 l	10; 30 l	10; 30 l
<b>Application field</b>	Using the Riepe Fine Nozzles, the Release Agent is applied to the top and bottom side of the workpiece inside the edgebanding machine. It is applied prior to the pre-milling with a very thin layer. This prevents adhesive from sticking to the workpiece so that no manual cleaning is needed anymore. Ethanol-based release agent prevents adhesive buildup [PUR, EVA, PO], cutting downtime and extra cleaning costs.	By spraying it to the pressure rollers in intervals it prevents adhesive from sticking to the pressure rollers. This makes cleaning them a lot easier. It can also be sprayed directly onto delicate edges which prevents markings, and it prevents protection foils from peeling of inside the machine.	Used as an alternative to NFLY® for processing dark and non-porous materials. The product can also be applied in combination with the RIEPE Texture Finish system, where it helps keep the brushes free from adhesive residue.	Especially when using PUR-Hotmelts the Riepe Antistatic Coolant Agent is required to quickly cool down the glue joint after the edge was applied to the board. The subsequent tools work directly in a solid material due to cooling-effect and no longer become clogged with adhesive.	Right before the flat scrapers the Cleaning Agent is sprayed to the top and bottom side of the workpiece. The Agent dissolves the previously applied Release Agent and any adhesive residue. These will then be cleaned off by the following buffing wheels. The result: A clean workpiece in Finish-Quality!	Release agent for the RIEPE® Texture Finish system. It prevents adhesive from sticking to the workpiece/edge radius and keeps the subsequent Texture Finish brushes free from clogging and dirt. It is applied directly before the Texture Finish brushes.

## Riepe Cleaning Agents

Machine Cleaners Scheme



## Riepe Cleaning Agents

Accessories



### Riepe

	RI 702	RI 706	RI 4847	RI 4584
<b>Technical information</b>	fabric-sisal-lamellar wheels 3:1 ratio	textile polishing disc	texture finish wheel set	texture finish wheel set
<b>Packing</b>	1 pc	1 pc	2 wheels in a set The size of each wheel - 120 x 12 x 50 mm	2 wheels in a set The size of each wheel - 160 x 12 x 50 mm

#### Application field

- 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 1x-sisal. The fabric in the wheel absorbs the previously applied RI 006 special cleaner. The sisal is used to polish the edge banding.

Atypical dimensions of cleaning and polishing discs are available on special order.

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.

Atypical dimensions of cleaning and polishing discs are available on special order.

Gently cleans smooth, structured, matt, and high-gloss decors. Removes adhesive residues in the joint area. Absorbs previously applied process liquids. Made from a polyamide-fibre combination, this brush is an integral part of the Texture Finish unit. It works with the TF/25 texture fluid, which keeps the brush clean and prevents adhesive from sticking, allowing the brush to effectively remove impurities.

Riepe buffing wheels available dimensions			
Item Number	Outer Diameter (mm)	Width (mm)	Borehole (mm)
1832	120	11	19 (hex)
1833	120	20	19 (hex)
1835	150	20	19 (hex)
1843	150	20	50
1847	150	27	11
1848	160	20	40
1850	160	25	20
1853	160	25	50
1855	160	25	55
1857	190	20	40
1858	190	20	50
1863	130	20	50
3147	145	15	44.7
3204	150	25	25
3265	200	25	50
3694	150	10	19 (hex)

Riepe Fabric-Sisal lamella wheels available dimensions			
Item Number	Outer Diameter (mm)	Width (mm)	Borehole (mm)
1871	120	20	19 (hex)
3680	120	20	25
3116	140	20	19 (round)
1875	140	25	50
3140	150	20	19 (hex)
3391	150	25	25
3352	150	27	11
1877	160	25	40
1878	160	25	50
1880	160	25	55
1881	190	20	40
1885	190	25	50

Riepe Texture finish wheel	
160 x 24 x 50 mm	
120 x 24 x 50 mm	

Delivery conditions of individual wheels on request.

## Jowat Cleaning Agents

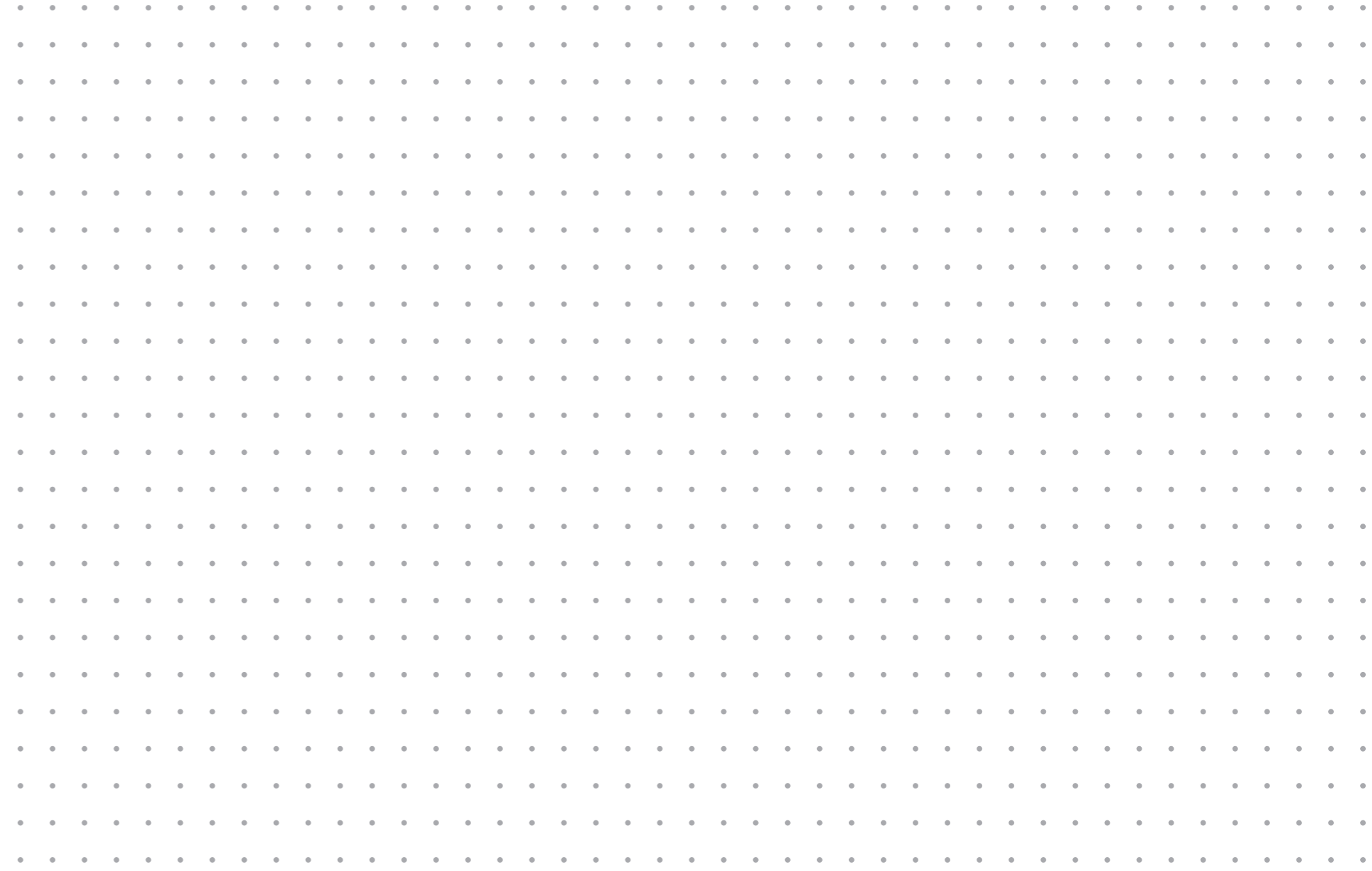
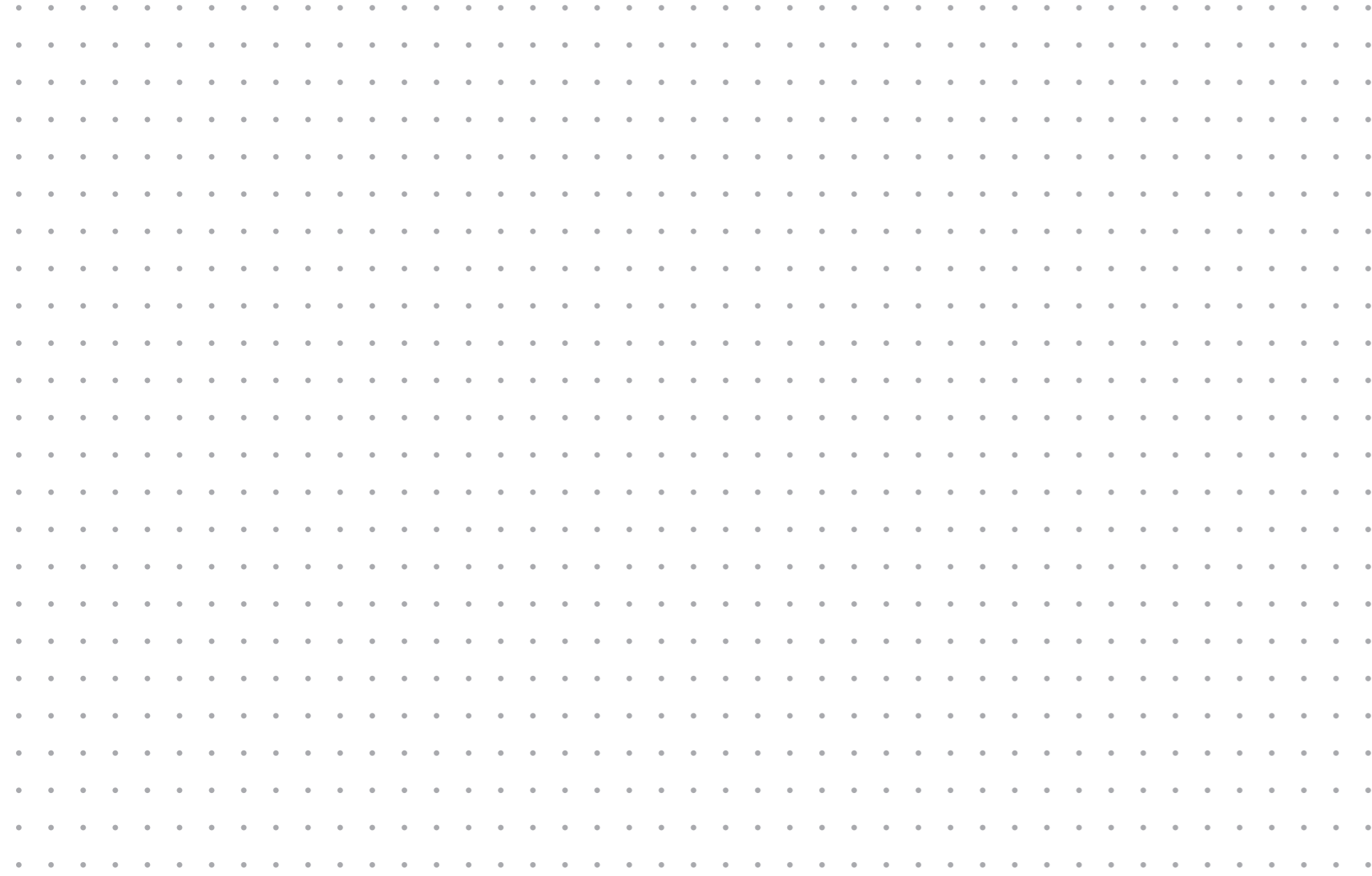


### Jowat

	Jowat 401.10	Jowat-Toptherm 236.50	Jowat 930.34	Jowat 930.60	Jowat 930.74	Jowat 930.94 HOLZ-HER cartridge
<b>Technical information</b>						
<b>Packing</b>	canister 9 kg	granulate 5; 25 kg	granulate 5; 25 kg	1; 10 kg	cartridge 1.5 kg	1 piece [220 g]; carton [25 pcs]
<b>Base</b>	organic solvents	polyolefin	EVA	polyesterpolyol	EVA	EVA
<b>Recommended application</b>	manually on a piece of cloth or by dipping	in melting vessel	in melting vessel	in melting vessel	in melting vessel	In melting vessel

#### Application field

<b>Regular maintenance of melting and application devices working with hot melt adhesives on the EVA base</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Irregular cleaning of melting, application and metal devices contaminated with hot melt adhesives on the EVA and APAO base</b>	● ● ● (approx. 12 hours dipping)	● ● ●	×	×	×	×
<b>Regular maintenance of melting and application devices working with hot melt adhesives on the PUR base</b>	×	×	● ● ●	● ● ●	● ● ●	● ● ●
<b>Manual cleaning of edged furniture parts</b>	● ● ●	×	×	×	×	×
<b>Manual cleaning of non-hardened single-component polyurethane</b>	×	×	×	×	×	×
<b>Cleaning of tools, melting and application devices contaminated with hardened PUR fusible glue</b>	×	×	×	● ● ●	×	×





**Contact**

[www.hranipex.co.uk](http://www.hranipex.co.uk)  
[uk-hranipex@hranipex.com](mailto:uk-hranipex@hranipex.com)  
+44 (0) 121 767 9180

**HRANIPEX LIMITED**  
Unit 2 Radial Way, Birmingham Business Park,  
Solihull Parkway, Birmingham, B37 7W

**Hranipex**