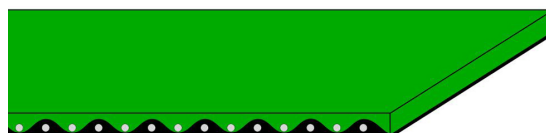


CONVEYOR AND PROCESS BELTS
TECHNICAL DATA SHEET

CODE	NA1111	TYPE	PT1.0 U1-U3
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COMPOSITION

Conveying surface	Material	Polyurethane (TPU)	
	Thickness	0.3 mm	0.012 in.
	Surface pattern	Matt	
	Colour	Green	
	Coefficient of friction	HF	
Textile carcass	Material	Polyester (PET)	
	Plies no.	1	
	Weft type	Rigid	
Driving surface	Material	Polyurethane (TPU)	
	Thickness	0.1 mm	0.004 in.
	Surface pattern	Matt	
	Colour	Black	


TECHNICAL SPECIFICATIONS

Total thickness	1.00 mm	0.04 in.
Weight	1.10 kg/m ²	0.22 lbs./sq.ft
Elongation at 1%	5 N/mm	29.0 lbs./in.
Max. admissible pull	5 N/mm	28.6 lbs./in.
Temperature resistance ⁽¹⁾	min.	-20 °C -4 °F
	max.	+100 °C 212 °F
⁽¹⁾ Use of the belt with limit values may reduce its life.		
Minimum roller diameter ⁽²⁾		
■ Knife edge	no	
■ Bending roller	10 mm	0.4 in.
■ Counter-bending roller	20 mm	0.8 in.
⁽²⁾ The above mentioned values depend on the type of CHIORINO joint recommended.		
Coefficient of friction on driving surface		
■ Raw steel sheet	0.40 [-]	
■ Laminated plastic/wood	0.50 [-]	
■ Steel roller	0.40 [-]	
■ Rubberized roller	0.60 [-]	
Max. production width	2000 mm	79 in.

SUITABLE FOR

Paper industry: cutters
 Printing and graphic: wrapping / binding

FEATURES

Humidity influence	no
Suitable to metal detector	yes
Permanent antistatic dynamically (UNI EN ISO 21179)	yes
Static conductivity (UNI EN ISO 284)	no
Conveying on skid bed	yes
Conveying on rollers	no
Conveying on skid bed on top and return	no
Troughed conveying	no
Swan neck conveying	no
Inclined conveying	yes
Accumulators belts	no
Curved conveyor	no
Chemical resistances link	5

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments
 FDA (Food and Drug Administration)

NOTES

Issue: 24-07-2009 Last Update: 06-12-2021

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CODE NA1111

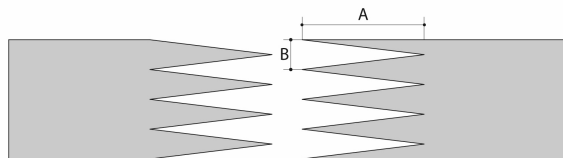
TYPE

PT1.0 U1-U3

Recommended joining procedure

MICRO Z - 30 x 6 mm

Other joining methods can be used:



A = 30 mm
B = 6 mm

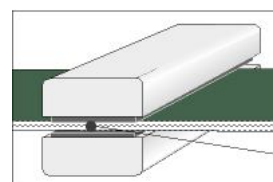
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press P \ PL \ PLS

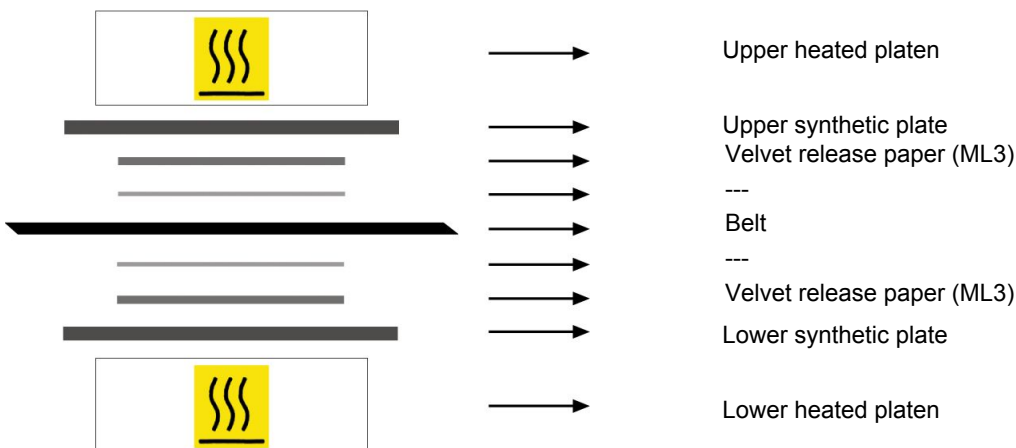
Press settings	
Upper platen temperature	145 °C
Lower platen temperature	145 °C
Temperature gauge setting	145 °C
Curing time in press	3 min.
Pressure	3 bar
Film	none
Cement	---

1. Use the KM330 thermometer to check the effective temperature inside the belt. Place the thermometer gauge as shown by the drawing at side.



2. Allow the cooling cycle to be completed before removing the belt from the press.
3. A reliable strength of the joint is ensured, providing that temperatures reached by the press are those indicated in the table at side. A periodical inspection of the thermostats is recommended, to make sure they function correctly.

• Layout of components



• Notes

Issued: 31-08-2010

Last Update: 30-01-2014

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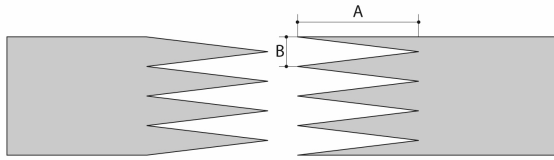
CODE **NA1111**

TYPE

PT1.0 U1-U3

• Recommended jointing procedure

“F35 FAST JOINT” MICRO Z



A = 35 mm
B = 5 mm

Other jointing methods can be used:

“FAST JOINT” MICRO Z

Check our general catalogue to get further info on CHIORINO jointing methods.

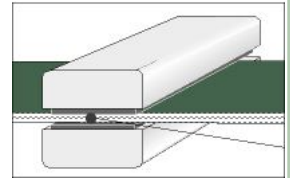
• Pressing

Heating press **P50 FJ**

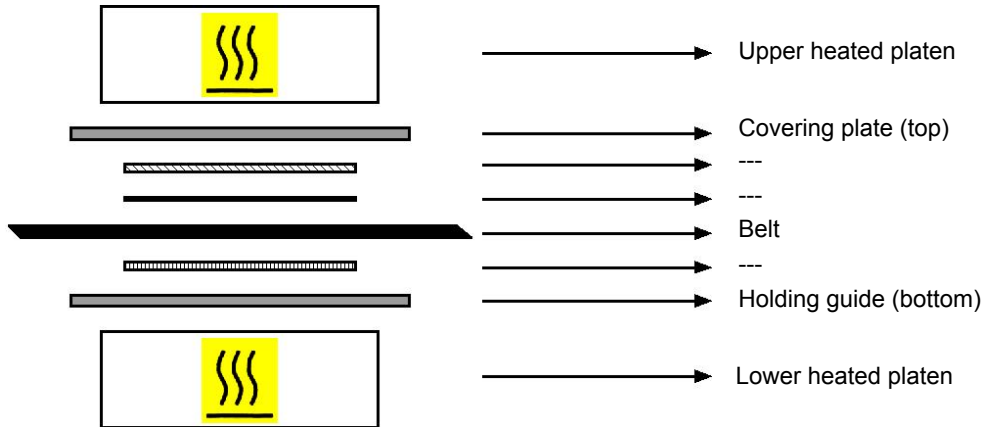
Press settings	
Upper platen temperature	180 °C
Lower platen temperature	180 °C
Temperature gauge setting	--- °C
Curing time in press	3 min.
Cooling time	7 min.

Advice for the press adjustment:

1. Use the KM330 thermometer to check the effective temperature inside the belt. Place the thermometer gauge as shown by the drawing at side.
2. Allow the cooling cycle to be completed before removing the belt from the press.
3. A reliable strength of the joint is ensured, providing that temperatures reached by the press are those indicated in the table at side. A periodical inspection of the thermostats is recommended, to make sure they function correctly.



• Layout of components



• Notes

The cooling time is approximate.
The belt shall not be removed from the press while the temperature is still high to prevent damages to the splice.

Issue: 31-07-2009

Last Update: 12-11-2010

DISCLAIMER

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