

Textiles – Textile printing

siegling belting





Is precision a must?

Then Siegling Transilon printing blankets are an art form!

Siegling Transilon printing blankets have been developed in close co-operation with OEMs and users and comply with the high demands on economical operation and precision in flat-bed and rotary printing. They are maintenance-free, easy to track and have a long service life. With practical fitting equipment and reliable splicing methods, they can be rapidly and simply be made endless.

The new single-ply special fabric of Print 6646-2.15 ensures maximum repeat accuracy, even for rotary and flat-bed printers with more than 18 printing stations. The low belt weight allows very rapid feed in flat-bed printing, thus maximising printing speed.

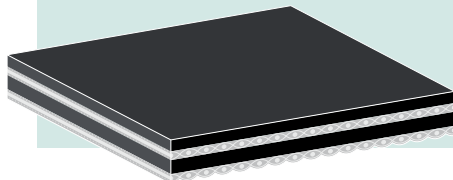


Take a close look at the print!

Print 6488-2.65E

Design	
Top face	urethane matt
Tension member	2-ply polyester fabric with thermoplastic middle layer
Under side	urethane impregnated, low-noise

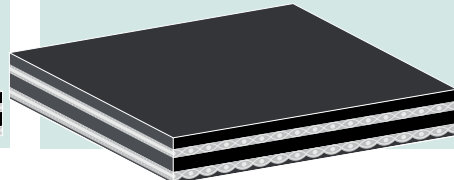
- Applications**
- Rotary printing
 - Flat-bed printing with clamp propulsion system (e.g. Buser)
 - Coupon and sample printing
 - Short flat-bed printers with max. 50 m belt length



Printvac 6496-2.65E

Design	
Top face	urethane matt
Tension member	2-ply polyester fabric with thermoplastic middle layer
Under side	thin urethane coating

- Applications**
- Flat-bed printing with suction box propulsion system (Zimmer FA, FBU, FBO, FM II)



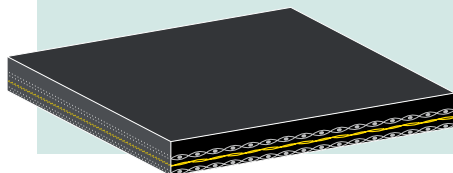
More information about Forbo Siegling products for the textile industry can be found in the following brochures:

- | No. | Title |
|-----|---|
| 224 | Siegling Transilon Product range |
| 295 | Nonwoven and clothing industry |
| 296 | High-efficiency flat belts and conveyor belts for the manufacturing of yarn |
| 317 | Transilon Technical Information 1 Storage · Finishing · Fitting |
| 318 | Transilon Technical Information 2 Special Features and Properties |

Print 6552-2.15AE

Design	
Top face	urethane matt
Tension member	2-ply polyester fabric with aramide middle layer
Under side	urethane impregnated, low-noise

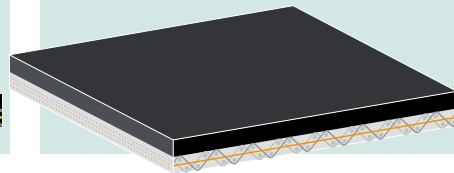
- Applications**
- For rapid flat-bed printing
 - For rotary printing with more than 18 printing stations
 - Digital printing



Print 6646-2.15E

Design	
Top face	urethane matt
Tension member	single-ply polyester fabric
Under side	urethane impregnated, low-noise

- Applications**
- Flat-bed printing, for high printing speed and long systems
 - Rotary printing
 - Digital printing



siegling transilon

conveyor and processing belts

Your advantages

High level of repeat accuracy

- Minimal manufacturing tolerances regarding belt thickness and pitch line
- Therefore even feed
- Minimal fluctuations of the neutral fibres for single-ply belt designs (Multiplication of individual tolerances in a multi-ply structure is excluded)

Accurate printing at high speeds (Print 6552-2.15AE and Print 6646-2.15E)

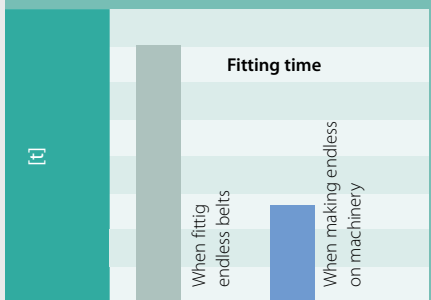
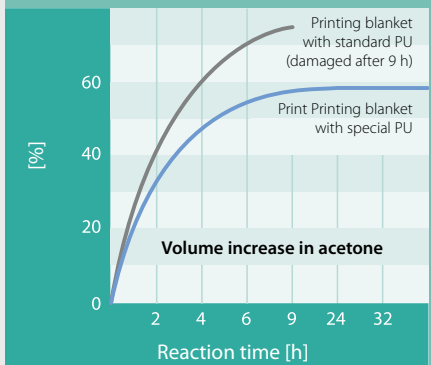
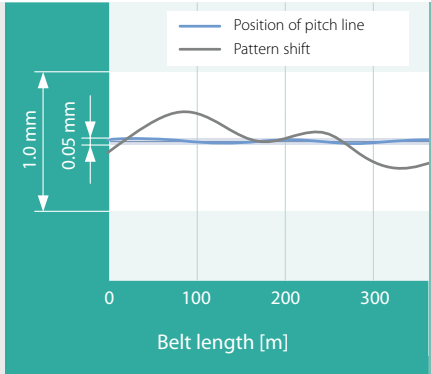
- Highly modular tension member and lightweight belt
- Means quicker feed and fast printing is possible even in long flat-bed printers
- High repeat accuracy even in rotary printers with more than 18 printing stations

High level of resistance to solvents

- The specially developed polyurethane surface permits the use of all widely available cleaning agents
- Brief contact with acetone and similar ketones possible

Minimum downtimes

- Simple and easy welding of belt ends on the machine
- Very short lead time
- Extremely durable (and thus reliable) splice
- Minor belt damage easily repaired
- No sealing of the belt edges after trimming required, due to specially-treated aramide fabric (Print 6552-2.15AE)



Technical Data	Print 6488-2.65E Printvac 6496-2.65E	Print 6552-2.15AE	Print 6646-2.15E
Total thickness [mm]	2.65	2.2	2.15
Pitch line [mm]	1.2 ± 0.05	0.9 ± 0.03	0.7 ± 0.02
Weight [kg/m ²]	3.0	2.4	2.15
Shore hardness of top face [Shore A]	92	92	92
K _{1%} relaxed in line with ISO 21181 [N/mm width]	14	70	15
Elongation at break [%]	20	3.0	20
Tear strength [N/mm]	270	450	210
Max. operational temperature in textile printing [°C]	70	70	70
Elongation at fitting (recommended/max.) [%]	0.3/0.8	0.15/0.3	0.3/0.6
Max. width [mm]	4400	4000	4400

Chemically resistant to ethyl acetate, butyl acetate, white spirit, benzol, althanol. Brief contact with acetone, MEK, toluol and similar ketones possible.

Siegling – total belting solutions

Committed staff, quality-orientated organisation and production processes ensure the constantly high standards of our products and services. The Forbo Siegling Quality Management System is certified in accordance with ISO 9001.

In addition to product quality, environmental protection is an important corporate goal. Early on we also introduced an environmental management system, certified in accordance with ISO 14001.



Forbo Siegling service – anytime, anywhere

The Forbo Siegling Group employs more than 2,000 people. Our products are manufactured in nine production facilities across the world. You can find companies and agencies with warehouses and workshops in over 80 countries. Forbo Siegling service points are located in more than 300 places worldwide.