

# Textiles – Textile printing

## **siegling** belting



**NEW**



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**

<b>Design</b>	
<b>Top face</b>	urethane matt
<b>Tension member</b>	2-ply polyester fabric with thermoplastic middle layer
<b>Under side</b>	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**

<b>Design</b>	
<b>Top face</b>	urethane matt
<b>Tension member</b>	2-ply polyester fabric with thermoplastic middle layer
<b>Under side</b>	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**

<b>Design</b>	
<b>Top face</b>	urethane matt
<b>Tension member</b>	2-ply polyester fabric with aramide middle layer
<b>Under side</b>	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**

<b>Design</b>	
<b>Top face</b>	urethane matt
<b>Tension member</b>	single-ply polyester fabric
<b>Under side</b>	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)

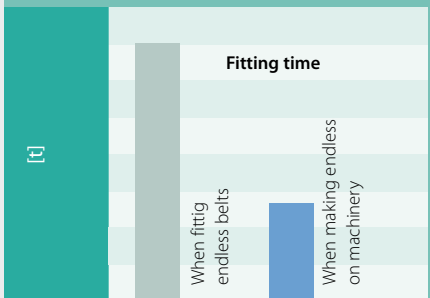
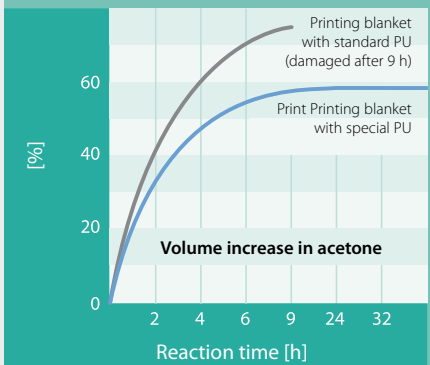
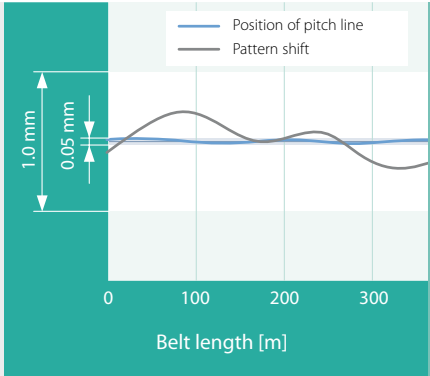
- Highly modular tension member and lightweight belt
- Means quicker feed and fast printing is possible even in long flat-bed printers
- High repeat accuracy even in rotary printers with more than 18 printing stations

#### 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)



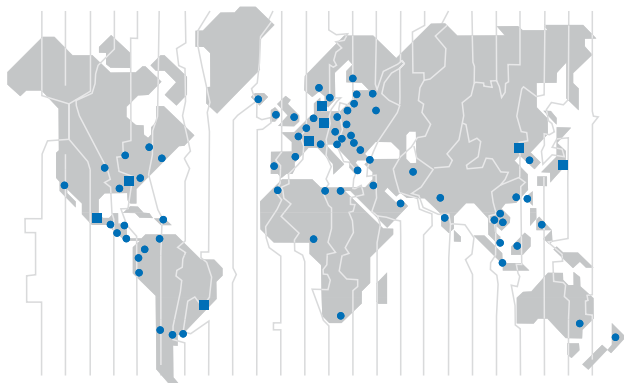
Technical Data	Print 6488-2.65E Printvac 6496-2.65E	Print 6552-2.15AE	Print 6646-2.15E
Total thickness [mm]	2.65	2.15	2.15
Pitch line [mm]	1.2 ± 0.05	0.7 ± 0.05	0.7 ± 0.02
Weight [kg/m <sup>2</sup> ]	3.0	2.4	2.15
Shore hardness of top face [Shore A]	92	92	92
K <sub>1%</sub> relaxed in line with ISO 21181 [N/mm width]	13	80	12
Elongation at break [%]	18	3.5	18
Tear strength [N/mm]	250	650	150
Max. operational temperature in textile printing [°C]	70	70	70
Elongation at fitting (recommended/max.) [%]	0.3/0.8	0.1/0.3	0.3/0.8
Max. width [mm]	4400	3000	4300

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 DIN EN 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

In the company group, Forbo Siegling employs more than 1800 people worldwide. Our production facilities are located in eight countries; you can find companies and agencies with stock and workshops in more than 50 countries. Forbo Siegling service centres provide qualified assistance at more than 300 locations throughout the world.