

Tile printing

siegling
belting



Tile printing belts for accuracy and precise resolution



Forbo Movement Systems doesn't just sell belting, but solutions for tomorrow. As a result, our printing belts stand apart for more than just our excellent quality and near perfect functionality. Customized procedures allow for easy on-site splicing. They are uncomplicated to adjust and have long service lives, saving time and money. Expert advice helps to harness the productivity potential of your machines.

The Siegling Transilon product line offers a complete range of products for the tile printing industry. After years of the market being dominated by rotary printing equipment, digital printing technology has taken the industry to a new level of flexibility and ultra-high printing accuracies.

With the increased demands for high repeat accuracy in digital tile printing technology, the state-of-the-art printing conveyor belt is a must. Utilization of the proper conveyor belt will greatly enhance the final printing quality. The Forbo Movement Systems team has the expertise, experience and know-how to deliver the highest level of innovation for this cutting-edge technology. Siegling Transilon tile printing belts are specially designed for this state-of-the-art digital printing technology and are unique to the market.

Thanks to our wide knowledge and market leading position in the rotary and digital printing area we have been able to mutually develop the best belt range available for all high-end equipment in the market.

Picture of printing belt in a solvent test



Competitor's product after 9 hours



Forbo Siegling printing belts after 48 hours

The properties

innovative tension members
(Hightech fabric)

insignificant relaxation of the
fabric, highest pitch line accuracy

highly accurate cutting
and splicing techniques

The advantages

▶ best running properties,
no dishing

▶ constant repeat accuracy
along belt life time

▶ absolutely straight belt tracking,
close to zero deviation from left to
right, homogenous splicing area

Belt types applied

Digital printing

Technical data	Pitch line accuracy	Flatness	Article number	Total thickness approx. [mm]	Weight approx. [kg/m ²]	Effective pull at 1% elongation (k _{1%} relaxed) [N/mm width]*	d _{min} approx. [mm]**	Permissible operating temperature [°C]
E 18/H UH/U2 MT black	+++	+++	906818	1.65	1.65	18	160	-30/100
Print 6552-2.15AE	+	++	906552	2.2	2.4	70	125	-30/70
E 18/H U0/U2 MT white FDA	++	+	906420	1.75	1.75	19	20	-30/100
Print 6646-2.15E	++	+	906646	2.15	2.25	9	60	-30/70
Print 6488-2.65E	++	++	906488	2.65	3.00	13	60	-30/70
AE 140/3 U0/U4H MT black	+	++	906441	3.70	4.20	75	250	-30/100

Rotary printing

E 8/2 U0/V10 SG green	+	+	900086	2.60	2.85	7	40	-10/70
Print 6785-3.0AE SG	++	++	906785	3	3.2	45	125	-10/70

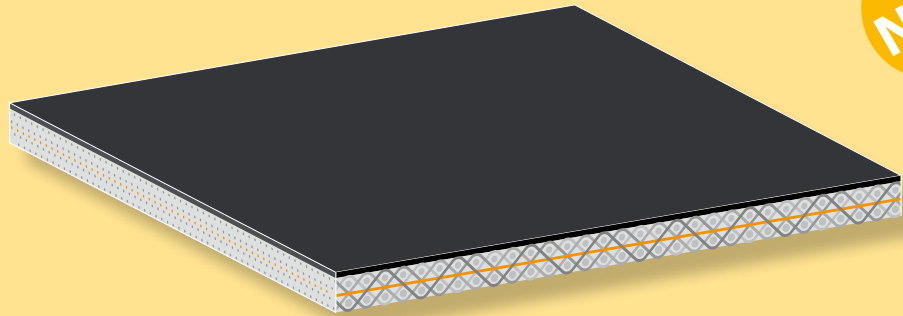
* Established in line with ISO 21181:2005

** The smallest permissible drum diameters were established at room temperature with z-splices and counter bending and do not apply to conveyor belts with mechanical fasteners. Lower temperatures, profiles and side walls can require larger drum diameters.

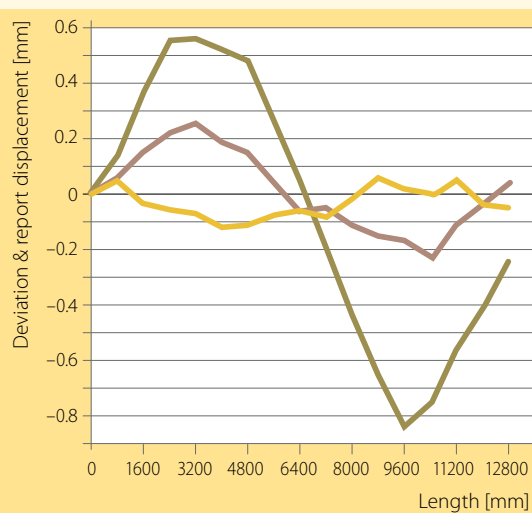
E 18/H UH/U2 MT black

Special single-ply fabric has developed a quantum leap in the precision of the pitch line, so that the request for top repeat accuracy can be met even better.

New fabric and production treatment guarantee flatness of the belt to the highest demand.

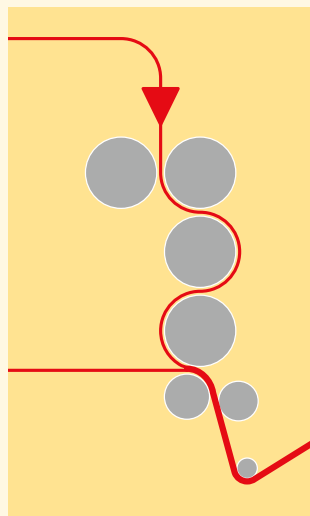


Durability of repeat accuracy



- 906818
- 906552
- Competitor printing blanket

Exceptional quality



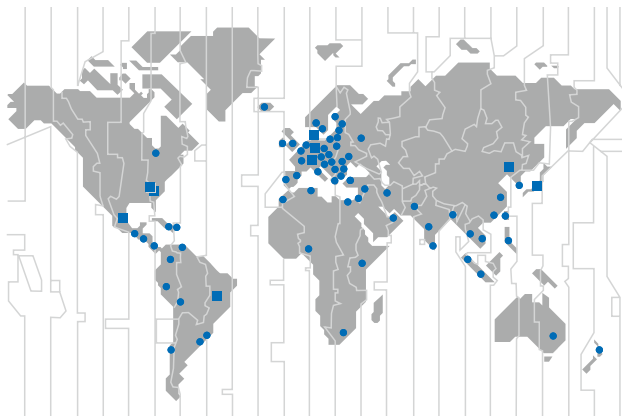
Forbo's huge investments in finishing technology pay off for the customer. While other products are made on three-roll calenders, Forbo Siegling manufactures its products with a four-roll calender. The outcome is a unique surface quality in regards to smoothness and structure, as well as an extremely precise pitch line

Exceptional surface quality and identical thickness thanks to the Forbo four-roll calender.

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.