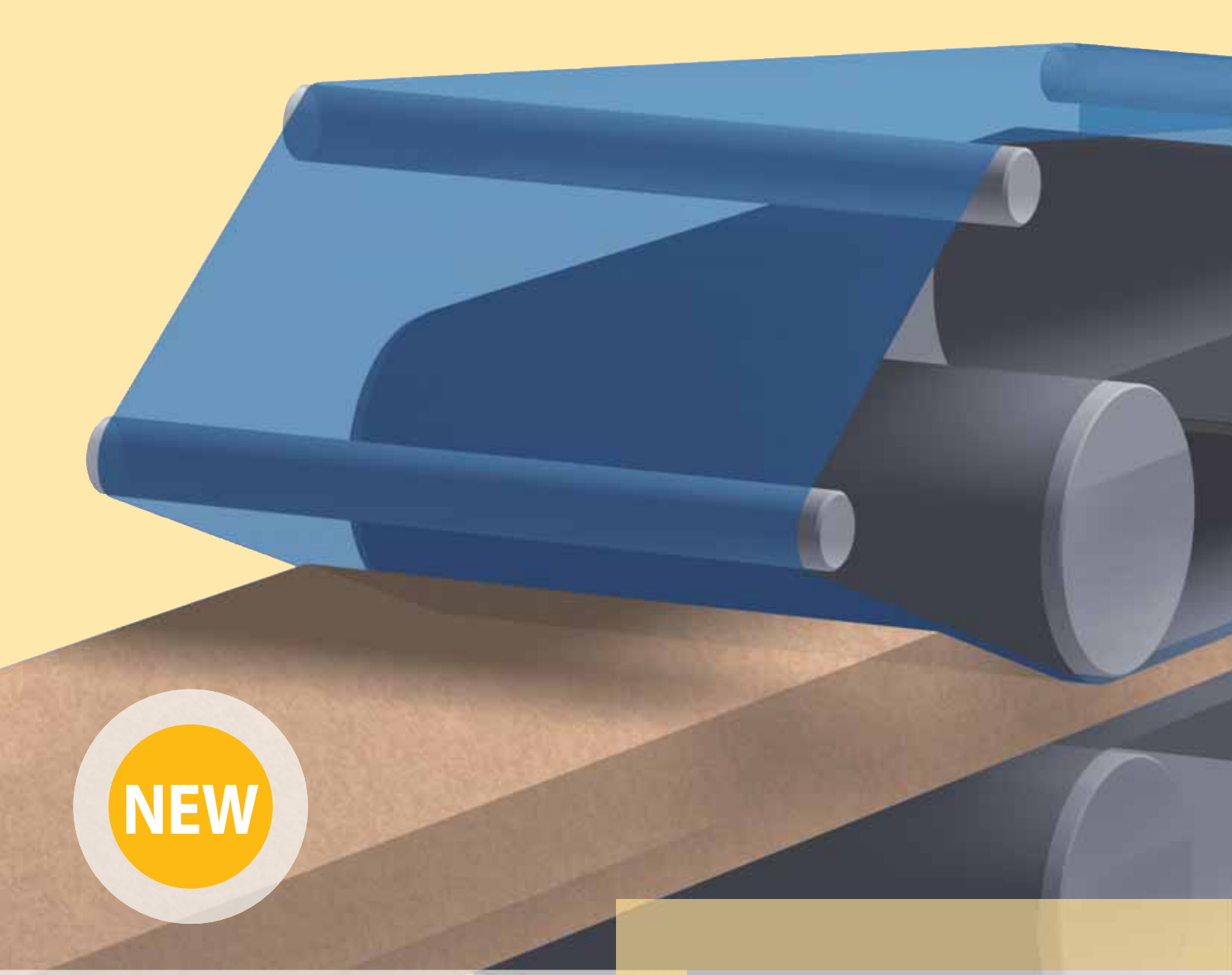


NEW

Transvent W01 – for enhanced mat ventilation

siegling transvent
ventilation belts

Siegling – total belting solutions

forbo
MOVEMENT SYSTEMS

So no air's left in the mat

During efficient chipboard and fibreboard production, there's no room for a weak link in the chain. As a result, we've enhanced material flow in the pre-press with the new, tough ventilation belt Siegling Transvent W01.

Forbo Siegling offers a one-stop solution with all the pre-press belts you need – including perforated ones – to produce chipboard and fibreboard.

The benefits are obvious:

- One single order
- One single transaction
- One single service partner

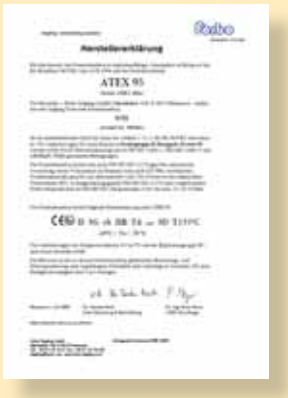
ATEX compliance

ATEX manufacturer and compliance declarations, issued in conjunction with an officially-appointed body (TÜV), confirm the processing belts fulfil ATEX standards.

Detailed operating instructions with information on ATEX-compliancy of the machinery must also be included with the compliance declaration.

Depending on the current legislation, it is possible that processing belts must be supplied and used in accordance with the new ATEX regulations.

We can provide personal support to any of our customers who require information on current and future ATEX issues.



Technical information

Material warp/weft	tough polyester
Colour	blue
Weave	2 x 2 twill
Thickness [mm]	1.90
Weight [kg/m^2]	1.4
k_1 relaxed [N/mm]*	7.0
Permitted operating temperature [°C]	-30 to +100
Air permeability [m^3/m^2 x h (Pa 100)]	6100
Air permeability [l/dm^2 x min (Pa 200)]	1480
Air permeability [FCM (Pa 124.5)]	375
Electrostatic properties	antistatic
ATEX category	3G/3D (zone 2/22)

* Tensile force at 1% elongation, identified according to ISO 21181:2005

Good ventilation

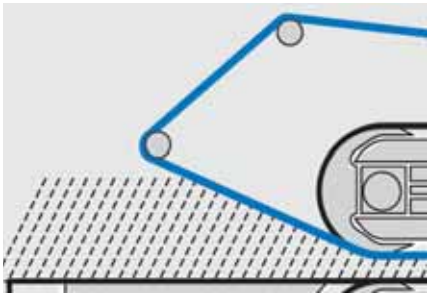
From a maximum dumping height, the ventilation belt lowers the chip or fibre mat onto the in-feed section expelling the air evenly, without leaving craters in the board.

Due to the air permeable, but strong fabric structure with sealed edges, the belt masters two key functions at the same time: it ventilates and pre-compresses.

No soiling

A high level of conductivity prevents chips and fibres adhering to the mat, avoiding soiling and damage to the belt.

Instead of downtimes for cleaning, productivity increases.



Ventilation and pre-compression belt in chipboard and fibreboard manufacture. The chip mat is pre-compressed while conveyed to the press.

Safe static discharge

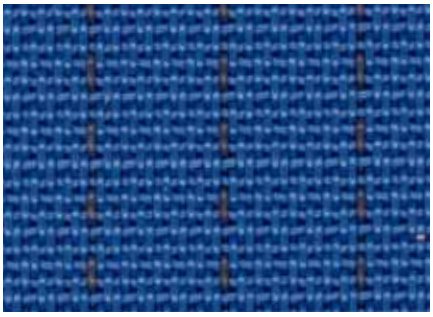
Special warpwise-woven polyester threads make the belt highly conductive and prevent electrostatic build-up. Hazardous situations involving a risk of fire cannot occur.

So safety is guaranteed.

Quick fitting

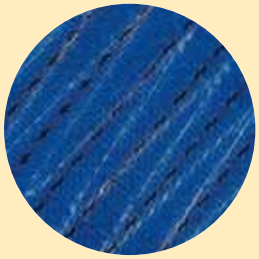
Thanks to Forbo Siegling's proven splicing methods, the ventilation belt can be fitted without dismantling the pre-press. Therefore, line downtimes are negligible.

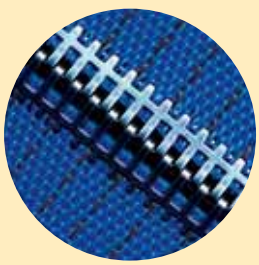
The belts are fast to exchange, reducing fitting time to a minimum.



Siegling Transvent: a smooth surface, extremely air permeable, flexible and conductive.

Splicing methods





Z-splice
The principle: the belt ends are punch-cut to form Z-shaped fingers which intermesh to form a very strong and safe splice. The belt is made endless without the seam marking the chip mat.

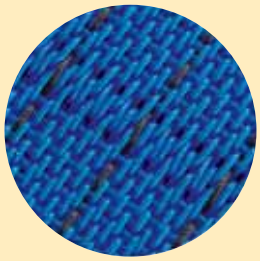
Siegling Transvent is usually supplied as an endless belt that is ready to use. For on-site fitting, the Z-splice is supplied open. The Siegling Transilon heating press which is used for spreader and pre-press belts can be used for Siegling Transvent too.

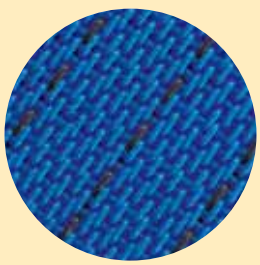
Hook splice
What makes the hook splice so exceptional is its extreme strength, long service life and easy handling. It can be closed on the machinery, but does mark the chip mat slightly.

Woven splices
Woven splices are the perfect solution for complex finishing jobs. With their continuous fabric structure, they leave no markings and guarantee the air will pass evenly through the belt.

- The **woven pin splice** is made endless on the machinery and can easily be removed. Fitting on the machinery is not necessary.

- Belts with **woven splices** are supplied endless.

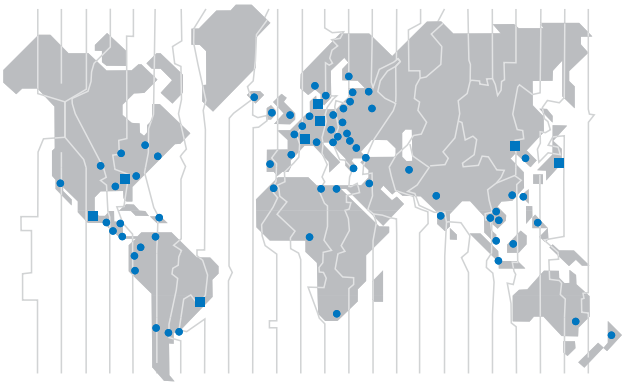




Siegling – total belting solutions

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 9001:2000.

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 2000 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.

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MOVEMENT SYSTEMS

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