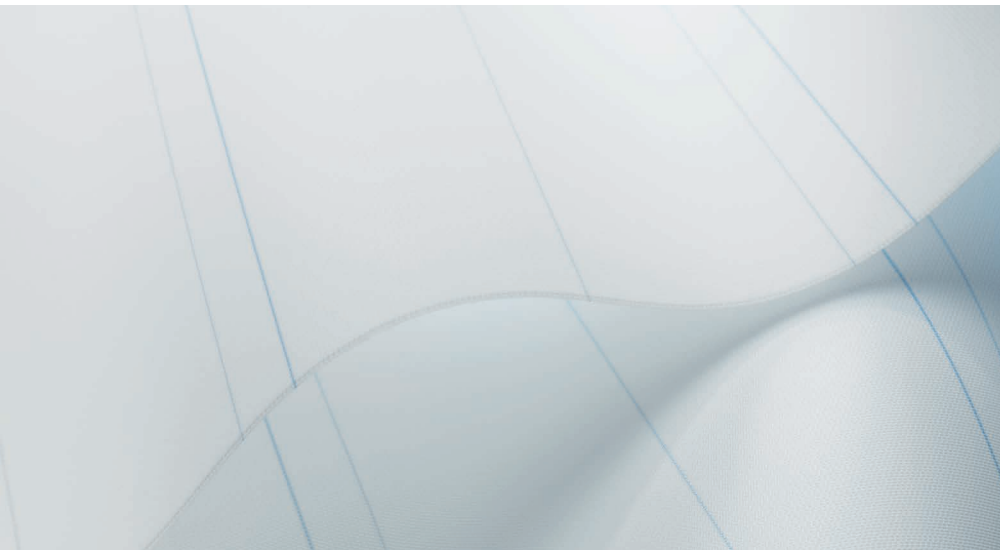


## Elevate your forming performance PrintForm IT



PrintForm IT forming fabrics utilize a completely new SSB design. This allows for a wider range of operating benefits than previous generations of SSB weft-bound products, ensuring better overall performance and optimal cost efficiency. The very thin PrintForm IT fabric design especially features a high quality paper side, excellent dewatering and low void volume.



- 1 PrintForm IS is applied on many reference machines
- 2 Weft insertion on a forming fabric weaving loom
- 3 Forming fabric before installation
- 4 Process competence

# PrintForm IT – for fine paper grades

## Improved SSB design

PrintForm IT is a further development of the Sheet Support Binder (SSB) design. The yarns that bind the top and the bottom of the multi-layer fabric are an integral part of the paper-side surface. That way, they contribute to retention and sheet properties.

The PrintForm IT design combines a very fine plain weave paper side with a coarse 4-shed wear side. The significant difference in yarn diameters between top and bottom has a positive impact on paper quality. This also contributes to fabric stability and life potential properties.

## Paper quality and smooth run

PrintForm IT uses very small sheet-side yarn diameters and generates:

- excellent Fiber Support Index (FSI) of over 200
- support point values over 1,680/cm<sup>2</sup> | 10,800/inch<sup>2</sup>

This ultra fine forming surface positively impacts mechanical retention, paper quality and clean operation. The unique construction of PrintForm IT includes a 4-shed wear surface. This ensures an industry thin caliper for improved couch solids, reduced drive loads, and reduced water carry. Guiding stability on critical positions under stock-on/stock-off conditions is also excellent.



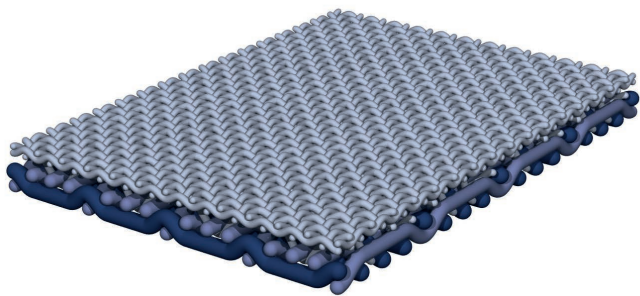
Life potential and stability are not sacrificed with PrintForm IT. The MD warp yarn is larger than those used in comparable SSB designs, making wear volume and stability levels in PrintForm IT competitive.

PrintForm IT is unique in the industry, combining both superior papermaking surface and fabric stability.

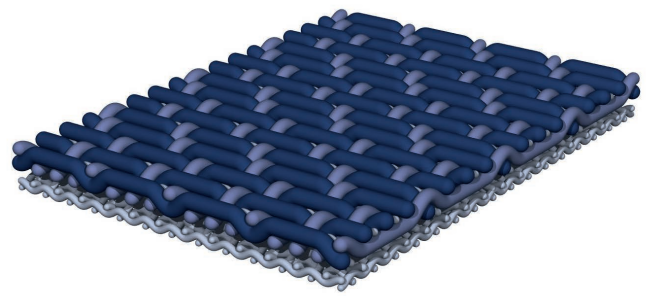
**Suitable for all kinds of paper machines**

PrintForm IT is performing successfully on the following formers:

- Fourdrinier
- Multi-Fourdrinier
- Hybrid
- GAP former



Fine 2-shed paper side



Stable and thin 4-shed wear side



#### **There is no compromise with PrintForm IT:**

- Mechanical retention and sheet quality elevated by fiber support values as high as 200 FSI and support point values over 1,680/cm<sup>2</sup> | 10,800/inch<sup>2</sup>
- Cleanliness and operating couch solids elevated by calipers as thin as 0.67 mm | 0.026"
- Life potential and stability elevated by unique wear-side weave
- Drainage elevated by Voith's exclusive I series construction

#### **Benefits**

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- + Improved formation and profiles
- + Excellent sheet quality
- + Flexible former set-up
- + Increased life and stability
- + Higher mechanical retention
- + Improved couch solids
- + Cleaner former operation



### Process competence

Process competence means providing solutions from one single source. We work together with our customers to improve the production and quality of paper.

The overall concept of Voith Paper stands for: Supply of high-quality products combined with excellent service and support from one single source. The optimal fine-tuning of the products is achieved by Voith as a complete supplier and focusing on long-term partnerships. This results in excellent machine performance and high paper quality. The expertise, process competence and the continuing service is key to many successful applications worldwide.

### Process competence

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- + Application Engineers for support
- + Deep process knowledge and experience
- + Onsite measurements
- + Paper Technology Center
- + Pilot paper machines
- + Research and Development Center
- + Full line supplier knowledge and resources



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