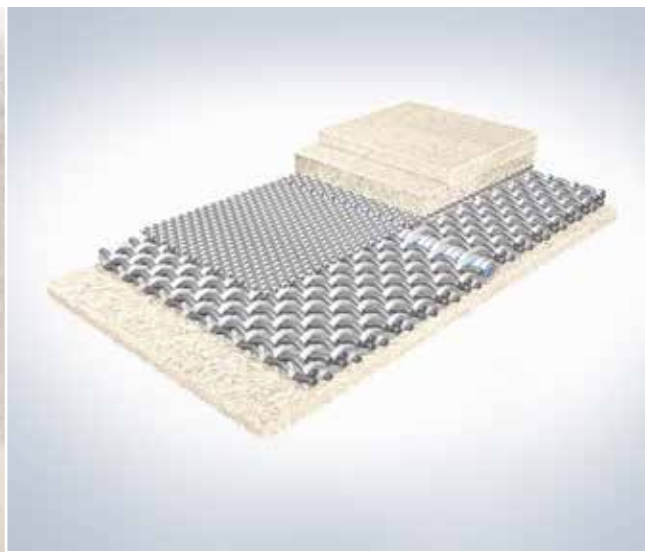


Infinity Advance and Infinity Advance S

High-performing press fabrics



Performance and consistency are the main features a press fabric should comprise. Unfortunately, conventional woven structures compact during operation, thus entailing an important deterioration in paper quality parameters.

Therefore, Voith has developed the Infinity press fabric with an especially uniform, high-quality base fabric that results in a laminated structure with resilience under load and the ability to maintain void volume throughout operation.

Infinity Advance uses a fine top base over the rigid and open bottom base. Therefore, it maintains better caliper in the nip and improves dewatering control as well as sheet contact. Altogether Infinity Advance provides better dewatering and sheet quality. The thin top base allows good uniformity and enhances seam mark resistance.

Best sheet quality

The Infinity base offers a high degree of contact points and base uniformity for a smooth sheet and good dryness. With Infinity Advance the customer also benefits from the thin top layer for excellent pressing uniformity, extra void volume and improved integrity.

Maintained durability

The base structure combination ensures that each component does its job and its interaction allows for high compressibility and resiliency to improve dewatering and keep the fabric cleaner. The cleaner, more open, saturated structure helps maintain the overall sheet side surface integrity of the fabric structure. Less fiber loss from the conditioning equipment is experienced due to maintained water flow and overall fabric cleanliness.

Quick startup and steady-state operation

The Infinity laminated structure increases dewatering through mid-nip resiliency. The Infinity bases offer excellent compressibility to allow a shorter flow path for the exiting water. Infinity will reach optimum saturation quickly to attain desired machine speeds faster, while the increased water flow through the structure flushes out contaminants to keep the fabric clean and maintain steady-state operation.

Extraordinary width stability

The Infinity manufacturing process produces excellent in-plane stability. Very little widening or lengthening is observed.

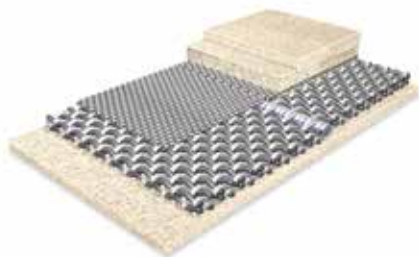
Engineered seam zone

Infinity Advance can be ordered with or without a seam. For the seamed product, the Infinity seam loops are perfectly formed with identical loop length, roundness and spacing. The result is extremely fast and easy seaming. The time saved can now be used on other important shut-down tasks.

Infinity reloaded with cabled

Our Infinity family is now available with cabled yarn in cross direction. It can be used as seam and endless. The cabled seam has the most efficient twist level in the base fabric with mono loops in the engineered seam area. The endless and seam product has a remarkable improved fiber anchorage because the fibers can adhere easier to the cabled yarn. In addition, it offers higher flexibility for easier endless installation which makes the handling even saver.

Layout Infinity Advance S



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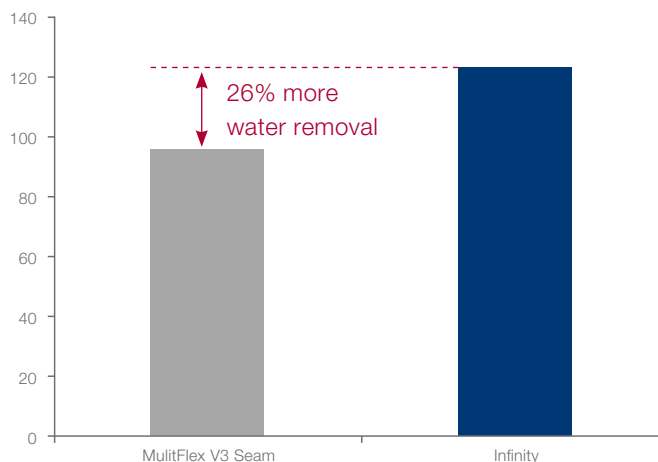
paper@voith.com
www.voith.com/paper

Your benefits Infinity Advance and Infinity Advance S

- + Highest dewatering rates due to a higher contact area
- + Increased void volume with higher pressure uniformity
- + Enhanced dryness of the paper sheet
- + Extended steady-state performance
- + Specifically for seamed version Infinity Advance S:
easy and quick seaming

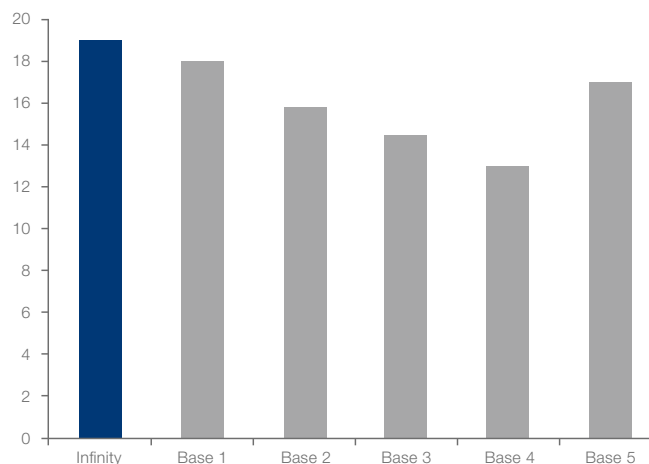
Dewatering Average water removal across Uhle box

In gsm



Good resiliency compared to standard woven structures

In %



VOITH
Inspiring Technology
for Generations