

Infinity 2 and Infinity 2S

Highly durable press fabrics for steady-state operation



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.

Best sheet quality

The Infinity base offers a high degree of contact points and base uniformity. This results in a more uniform pressing surface.

Increased pressing uniformity in the nip has the advantage of delivering a smoother sheet. Additionally, dewatering is increased improving overall dryness.

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.

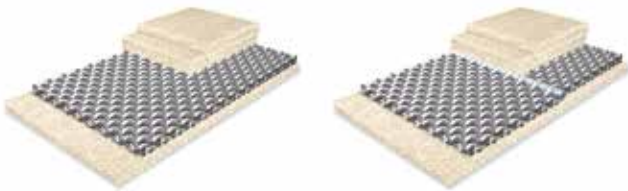
Engineered seam zone

Infinity products 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 2 and Infinity 2S



Voith Paper GmbH & Co. KG
 St. Poeltener Str. 43
 89522 Heidenheim, Germany
 Tel. +49 7321 37-0

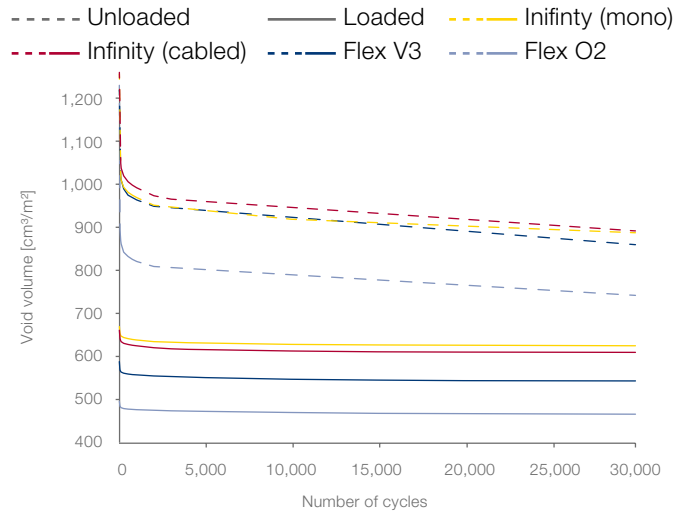


paper@voith.com
 www.voith.com/paper

Your benefits with Infinity 2 and Infinity 2S

- + Highest dewatering rates due to a higher contact area
- + Improved sheet quality and reduced two-sidedness
- + Enhanced sheet control and transfer
- + Maximum pressing uniformity
- + Specifically for seamed version Infinity 2S: easy and quick seaming

Resiliency based on void volume



Water permeability vs. life

