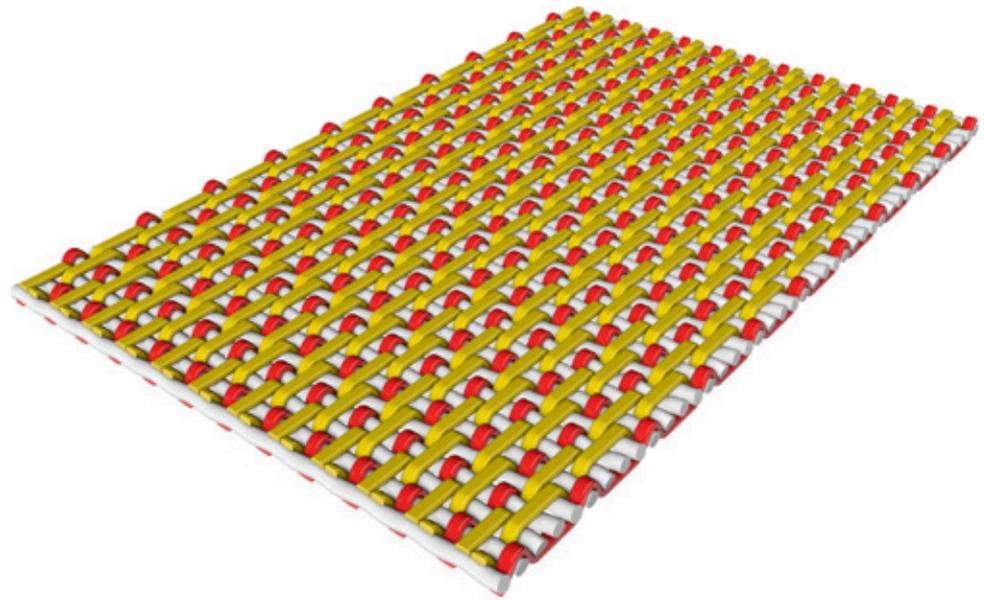


# A balanced dryer fabric for abrasion and hydrolysis prone positions Zircon and Zircon<sup>High</sup>



## Advantages

- + Cost-effective solution for dryer fabrics that suffer from medium levels of hydrolysis
- + Consistent drying efficiency throughout the fabric life
- + Potential to reduce sheet breaks resulting from contamination
- + Maximum efficiency of continuous cleaning systems such as CleanLine Extract 4D

**Do you need a fabric that stays clean and has a good resistance to hydrolysis and abrasion? The new Zircon and Zircon<sup>High</sup> meet your needs for both hydrolysis resistance and abrasive conditions.**

Zircon is designed especially for demanding positions that require hydrolysis and abrasion resistance. It has the unique CleanWeave structure and features a single-layer design that prevents contaminants from becoming trapped in the apertures.



Zircon and Zircon<sup>High</sup>: CleanWeave dryer fabrics from Voith

#### Difference between the fabrics

	Zircon		Zircon <sup>High</sup>	
Yarn	MD	CMD	MD	CMD
Material	PET/PPS	PET+ PET/PPS	PET/PPS	PET+ PET/PPS
Dimension (mm)	0.36 x 0.67	0.80	0.36 x 0.67	0.80
<b>Permeability range</b>				
Cfm	150 - 200		150 - 600	
m <sup>3</sup> / m <sup>2</sup> / hr	2,400 x 3,200		2,400 x 9,600	

Zircon is characterized by a tight weave structure and therefore ensures lower permeability. Zircon<sup>High</sup> has higher air permeability because of the more open weave structure.

Zircon and Zircon<sup>High</sup> can be tailored to suit your needs. The “Bronze” version utilizes the PPS and PET materials in the machine direction providing resistance to hydrolysis and abrasion. The “Silver” version has additional PPS material in the cross-machine direction for enhanced hydrolysis resistance.

#### Areas of application

Zircon is applicable within the production of the following paper grades and machine configurations:

- Packaging paper, board, white top liner, graphics
- Latter positions of pre and after dryers
- Single- and double-tier dryer sections with high temperatures creating the potential for hydrolysis

#### Features of Zircon and Zircon<sup>High</sup>

- + Best combination of both abrasion and hydrolysis resistance
- + Maintains its structure
- + Durability throughout the whole fabric life



Voith Group  
St. Poeltener Str. 43  
89522 Heidenheim,  
Germany

[www.voith.com/paper](http://www.voith.com/paper)

Contact:  
Phone +49 7321 37-0  
[paper@voith.com](mailto:paper@voith.com)



**VOITH**  
Inspiring Technology  
for Generations