A balanced dryer fabric for abrasion and hydrolysis prone positions
Zircon and Zircon$^{\text{High}}$

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\textsuperscript{High} 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 is characterized by a tight weave structure and therefore ensures lower permeability. Zircon\textsuperscript{High} has higher air permeability because of the more open weave structure.

Zircon and Zircon\textsuperscript{High} 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

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**Features of Zircon and Zircon\textsuperscript{High}**

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

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<table>
<thead>
<tr>
<th>Difference between the fabrics</th>
<th>Zircon</th>
<th>Zircon\textsuperscript{High}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yarn Material</td>
<td>PET / PPS</td>
<td>PET+ PET / PPS</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>0.36 x 0.67</td>
<td>0.36 x 0.67</td>
</tr>
<tr>
<td>Permeability range Cfm</td>
<td>150 - 200</td>
<td>150 - 600</td>
</tr>
<tr>
<td>Permeability range m\textsuperscript{3} / m\textsuperscript{2} / hr</td>
<td>2,400 x 3,200</td>
<td>2,400 x 9,600</td>
</tr>
</tbody>
</table>