



ABOVE: With OXA Dryer Fabrics with pin seam all loops fit into each other similar to a zipper.

Heimbach's OXA-Dryer Fabrics by Secoplan promise a simpler, safer, more efficient drying process

"By the time the sheet reaches the dryer section, many of the crucial factors that impact upon paper quality and process efficiency have already been addressed. However: the final reckoning is always made at the end and the last few metres will determine the overall outcome," explains Heimbach's Yvonne Raschka, Strategic Product Manager: Drying.

MAKING GOOD CONTACT

Heimbach has introduced the Secoplan dryer fabric range that includes Secoplan.O, Secoplan.X and Secoplan.A, hence the acronym OXA. Compared to more conventional fabrics, the high performance dryer fabrics of the new OXA generation stand out due to their high contact area, which is made up of a multitude of small contact points arranged at close proximity to each other. These fabrics contain flat monofilaments that increase the contact area and therefore guarantee a steady and clean run. Another unique feature is that the weft is integrated into the contact area.

The seams in all OXA fabrics meet the highest requirements: they are stable, do not mark the sheet and can be closed very easily. The weave structure guarantees optimum stability: irrespective of low stretch tolerances and high speeds with high vacuum values – OXA-fabrics run smoothly and are dimensionally stable

IMPROVED FABRIC LIFE TIME

Apart from energy efficiency and high productivity, long life times are crucial when deciding to go for OXA dryer fabrics: twister free or well protected seams (depending on the design) ensure a long lifetime; seam wear is either eliminated or, at worst, minimised.

The surface structure of OXA designs lends itself to easy cleaning, with resulting benefits of reduced downtime and water consumption. During tail cutting, the ratio between yarn diameter and water jet ensures a significantly reduced load on the monofilaments. Finally, the stable cross direction structure leads to lower 2-Sigma moisture values and reduced moisture peaks. All the above give you every reason to keep OXA fabrics on the machine for as long as possible.

'ZIPPER EFFECT' FOR FAST CLOSING

The fabrics in OXA series can be equipped with pin or spiral seam. If you go for the pin seam, you will get to know the 'Zipper Effect'. Similar to a zipper, all loops fit into each other. As a result, the fabric can always be closed in a safe and easy way, which saves time and effort and reduces shut-downs. Furthermore, the especially low air permeability differences between seam area and the fabric itself ensure marking free results. ■