# TRANSFORM B EDC FORMING FABRIC

## Advanced dewatering technology for board and packaging

**OVERVIEW**

When it comes to performance in the forming section, it's all about fiber support and drainage. Here, the right fabric can influence energy consumption by up to 80 percent. With this in mind, ANDRITZ is building on the proven success of our patented Engineered Drainage Channel (EDC) fabric. While SSB fabrics utilize a straight-through drainage channel, EDC has specially designed channels for controlled dewatering, leading to gentle drainage at the initial sheet forming.

ANDRITZ TransForm* B EDC is our latest and most advanced innovation for board and packaging machines, delivering greater advantages for papermakers. This new generation has fewer sheet-side MD yarns, allowing an increase in CMD yarns to create an excellent surface for fiber support. The long-float weave pattern enables the fabric to run in coarser applications. With a medium fine surface, the TransForm B EDC achieves increased fiber support and dewatering capacity.

# Superior drainage for board and packaging applications

## FORMATION AND DRAINAGE

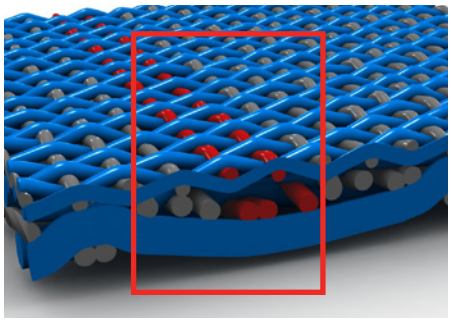
The TransForm B EDC has innovative Engineered Drainage Channels and a high-density warp structure for increased fiber support. The patented design enables a lower flow velocity for controlled drainage at the initial sheet formation. With optimized drainage over the vacuum sources, the fabric delivers a dryer sheet into the press.

## REDUCED ENERGY USAGE

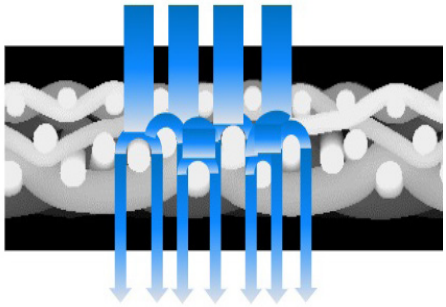
Thanks to its low caliper and less void volume, the TransForm B EDC reduces water carry, thereby improving runnability and reducing energy consumption. Additionally, the long float caliper on the running side and high-density weave result in extended fabric life.

## WIDE OPERATIONAL WINDOW

ANDRITZ offers multiple variations of the TransForm B EDC for a wide operational window across all board and packaging grades and sheet weights.



Patented 2:3 warp design



Engineered drainage channels

## BENEFITS

- Improved sheet formation, saving 0.2 klbs of steam per ton
- Average of 1.3% fiber reduction
- Same retention despite using a coarser fabric on paper side
- Retention aid reduced by 5-10%
- Machine cleanliness judged as better than competition
- Good fabric stability over lifetime

## APPLICATIONS

- High wear fourdriniers and multifourdriniers
- Top dewatering units needing higher water removal capability
- Gap formers needing balance of drainage and retention
- Challenging positions with narrow operating windows
- Positions struggling to make tests on certain grades due to freeness drainage limitations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