

QualiFlex CrestK  
and QualiFlex CrownK  
Get your customized choice





# Optimum dewatering performance for your board machine

For best total performance, two factors must be achieved: consistent long life and optimal dewatering. The tailored material properties and proper surface patterns of QualiFlex CrestK and QualiFlex CrownK target best total performance for board applications. Abrasion and impact resistance are the keys to achieving reliable high lifetimes. Stable grooves are vital for maximum dewatering performance. Under specific challenges at especially lower speeds our unique blind-drilled surface pattern optimizes efficiency. The proven stability and reliability of QualiFlex CrestK is further exceeded by the enhanced abrasion, crack and impact resistance of QualiFlex CrownK.

With QualiFlex CrestK and QualiFlex CrownK, you make the choice for the best total package. Find out more about your customized solution.

## Know-how as a key benefit

Voith has the relevant knowhow and experience in combining all elements of the press section to increase production output by raising the dewatering capacity of the press. Customized product packages are the key to your success.

## Optimum dewatering

To reach optimum dewatering, two factors are decisive: Stable grooves that provide true, full void volume or our unique blind-drilled surface that prevents water backflow without fail. With QualiFlex CrestK and QualiFlex CrownK, we offer a large variety of surfaces. Open area and void volume can be designed exactly to your needs.

## QualiFlex CrestK – Reliable performance

QualiFlex CrestK is characterized by good abrasion resistance, low risk of crack occurrence and consistent performance due to high impact resistance.

## QualiFlex CrownK – Specialist for highest demands

QualiFlex CrownK raises the bar for long-time effective void volume and reliable achievement of the highest lifetimes. Its enhanced abrasion and impact resistance are the key factors.

## Your benefits

- + Cost savings based on longer lifetime and thus extended change intervals
- + Optimum dewatering performance
- + Consistency and reliability

## Proven field experience

One of several key factors to achieving lifetime consistency is abrasion and impact resistance. But dry content and steam consumption have much higher impact on the total cost of ownership (TCO).

## Comparison of grooved sleeves

2 <sup>nd</sup> press	
Grade:	Board
Basis weight:	140-220 g/m <sup>2</sup>
Line load:	700 kN/m
Speed:	340-630 m/min

## Dry content after press

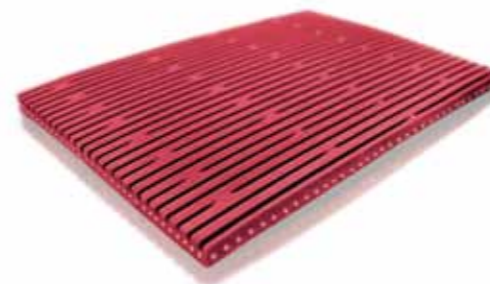
Standard sleeve	47.5%
QualiFlex CrownK	49.0%

## Comparison of grooved and blind-drilled surface

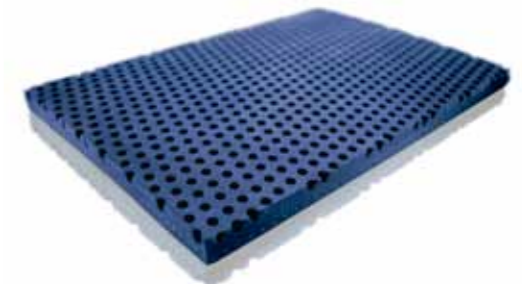
2 <sup>nd</sup> press	
Grade:	Board
Basis weight:	275 g/m <sup>2</sup>
Speed:	460 m/min

## Performance improvement with blind-drilled surface

Speed:	+ 10 m/min
Steam consumption:	- 4 to 6%
Production output:	+ 36 tons/day



QualiFlex CrestK – Reliable performance



QualiFlex CrownK – Reach the next level



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**VOITH**  
Engineered Reliability