

Milliken®

Advanced Reinforcements

Single Ply Reinforcements

Excellent wind uplift performance

The high-strength yarns in Milliken's weft-insertion warp knit (WIWK) fabrics have a bunching effect when resisting a strong force. This contributes to superior tear strength and wind uplift performance (EN 16002:2010) or, in low-wind applications, can allow a reduction in number of fasteners and associated materials & labor cost.

Flat design (thickness over the yarn crossing points) & cold bending

Milliken fabric is flatter than alternative fabrics, thus allowing either greater polymer coverage over the yarn crossing points or a reduction in total membrane thickness. So the manufacturer gains additional degrees of freedom for optimizing cold bending performance and cost — especially important in 1.2mm membranes.

Aesthetics

Milliken's patent-pending fabric construction creates a robust, rectilinear aspect in the finished membrane, similar in appearance to alternative reinforcements but with the additional benefits of tear strength and flatness.

Total performance

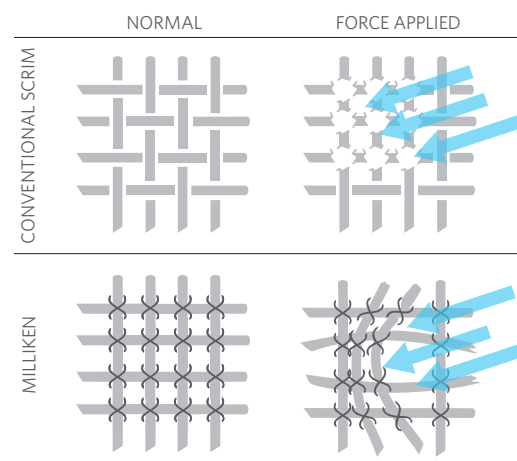
Milliken can custom-engineer fabric constructions, yarn selection (yarn size, low-wick, low-shrink), and coating formulations to deliver the technical performance and processability that you require.

Bundle effect

Our WIWK fabric allows yarns to move when a strong force is applied, so that the yarns reinforce each other to resist tearing. At the same time, the fabric is stable enough for easy processing during membrane production.



BUNDLE EFFECT



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