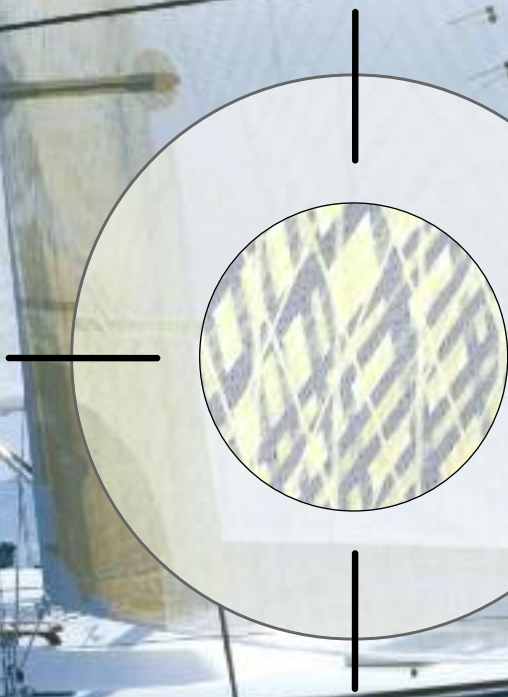


*clear ahead*

*DIMENSION-POLYANT*

*... the true sailcloth producer*

**D4<sup>®</sup>iT**



DIMENSION-POLYANT's internal taffeta (iT) was specially developed for sailors who want the race finish of a film/film laminate but demand the durability of taffeta. Fully encapsulated between two surfaces of film and adhesive DIMENSION-POLYANT's iT offers high tear strength, puncture resistance, added bias stability, and minimizes the possibility of wicking through special lamination techniques. Anti-microbial additives in the adhesive also reduces the risk of mildew growth. With external film surfaces iT offers the sailmaker the possibility of glued, no-sewn primary joiners and easier application of PSA backed or glued accessory items. Available right across the DIMENSION-POLYANT D4<sup>®</sup> product line of Multi Panel, Fastline and Premium.





sailcloth  
technology

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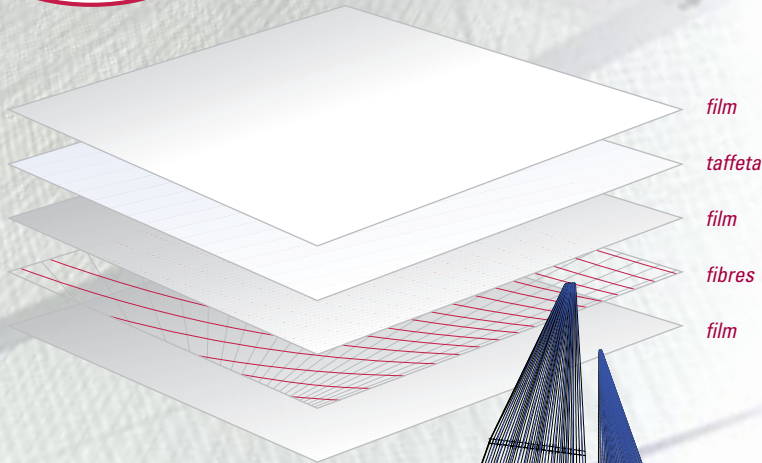
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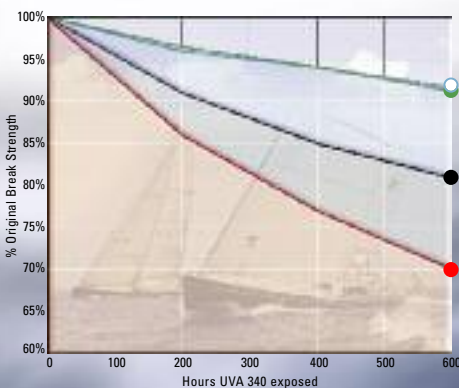
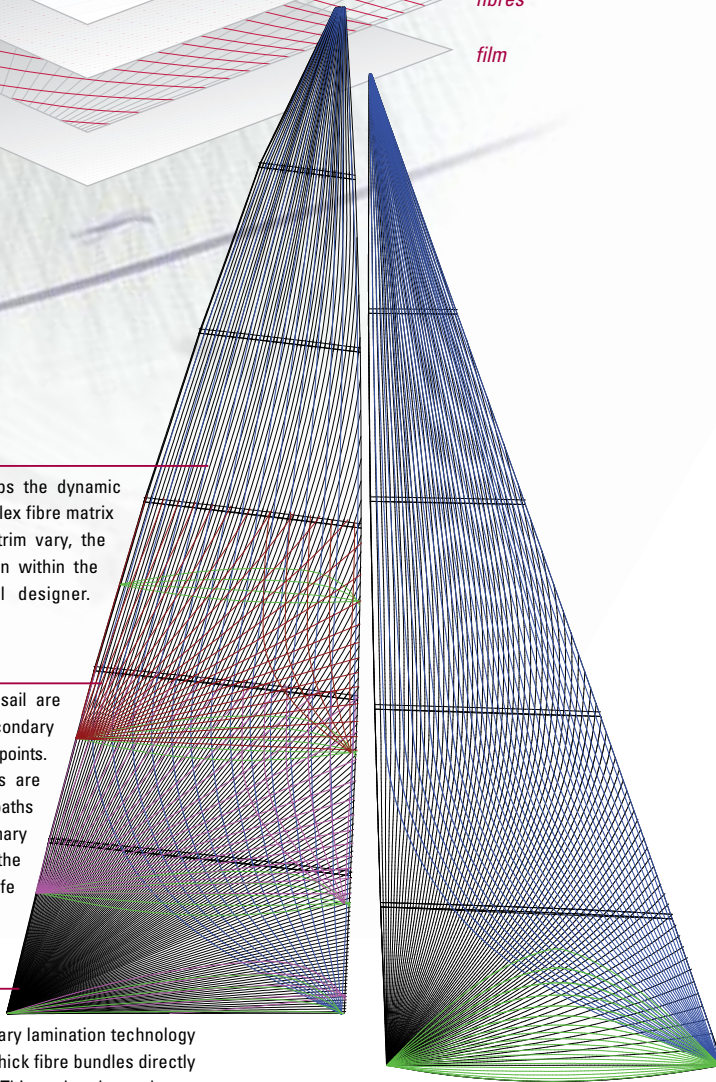
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The D4<sup>®</sup> fibre layout absorbs the dynamic loads when sailing. The complex fibre matrix ensures that, as loads and trim vary, the shape of the sail will remain within the limits intended by the sail designer.

Loads imposed by a reefed sail are addressed by the use of secondary layers that form dedicated reef points. From these reef points fibres are placed along calculated load paths until they blend in with the primary yarns. This technique extends the performance and structural life of a sail dramatically.

Special treatment of the fibres combined with proprietary lamination technology permits the concentration of thick fibre bundles directly into the corner load points. This makes large, heavy corner reinforcements redundant, resulting in a lighter, longer lasting sail structure.



Every resin used in a D4<sup>®</sup> Premium membrane contains UV inhibitors and anti-microbial additives to maximise the life of your D4<sup>®</sup> Premium membrane. Woven surfaces ("taffetas") are treated with top coatings containing both titanium dioxide and anti-microbial agents for unequalled protection from UV and mildew.

Description/Hrs exposed	0	200	400	600
DIMENSION-POLYANT Taffetas	100%	96%	94%	92%
DIMENSION-POLYANT UV films	100%	97%	94%	91%
Generic Taffeta	100%	91%	85%	81%
Generic Film	100%	86%	77%	70%

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