

Designing the Future

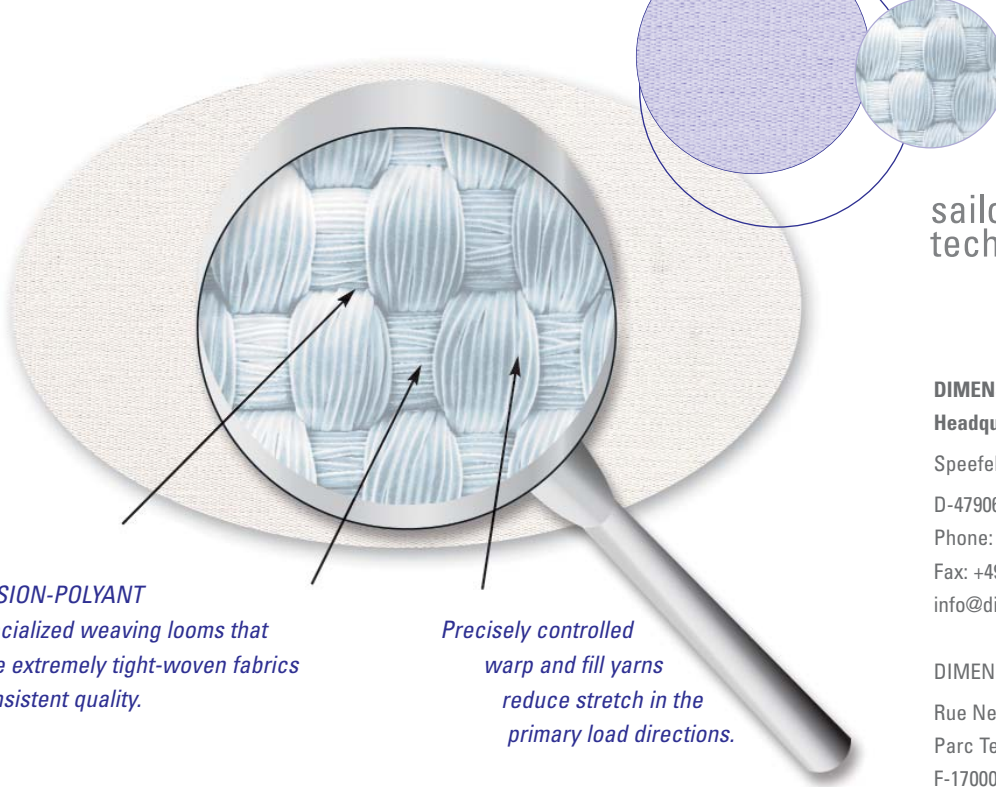
clear ahead



HTP® plus

With the development of HTP® plus for One Design Classes, DIMENSION-POLYANT has further improved the already successful HTP® fabric (HTP® = high tempered). To reduce stretch, HTP® plus fabrics have combined tightly woven, precisely controlled fill and warp woven substrates with a coating of high modulus Polymer/Resin finish. Extensive laboratory and actual on-the-water testing reveal an unsurpassed stretch value at 1% and excellent diagonal stretch characteristics before and after the flutter test. In addition, HTP® plus withstands wear from moisture, abrasion and flutter better than other hard tempered sailcloth. World championship titles in One Design Classes such as Star, Dragon, H-Boat, Tornado, Snipe, 2,4 m R, Wayfarer, J-22, C Scow, DN Iceboat, 470, 420, Vaurien, Etchells and, of course, Optimist speak in favour of HTP® plus's superiority. Even though HTP® plus and polyester based laminates exhibit comparable stretch characteristics, tightly woven fabrics like HTP® plus from DIMENSION-POLYANT make high performance One Design sails much easier to trim.





sailcloth
technology

DIMENSION-POLYANT
has specialized weaving looms that
produce extremely tight-woven fabrics
at a consistent quality.

Precisely controlled
warp and fill yarns
reduce stretch in the
primary load directions.

DIMENSION-POLYANT woven polyesters

High tec HTP® plus finish
provides stretch resistance, strength
and durability for One Design sails

● **HIGHEST QUALITY, HIGHEST
TENACITY YARNS & FIBERS**

The fibers in DIMENSION-POLYANT
woven fabrics are engineered from high-
quality, high-tenacity yarns

● **CONSISTENT CHEMICAL
MAKEUP IN FINISHING**

Continual research and development
with the world's best raw materials results
in optimized coatings and finishes

● **CONSISTENT SPECS**

Start-to-finish control over the weaving
and finishing processes means consistent
stretch and firmness specs

● **FLATNESS**

Wide-width looms designed specifically
for sailcloth and climate-controlled weaving
plant results in flat, straight fabrics

● **IN-HOUSE CONTROL OF DESIGN,
WEAVING & FINISHING**

Total control of every step in the sailcloth
manufacturing process gives DP
wovens consistent top performance

● **WORLD'S LARGEST MAKER
OF WOVEN POLYESTER**

DIMENSION-POLYANT has more worldwide
woven polyester fabric design, testing,
construction, and finishing facilities
than any other sailcloth producer

- ▶ *unsurpassed durability*
- ▶ *consistent specifications*
- ▶ *minimized stretch*
- ▶ *perfect shape*

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