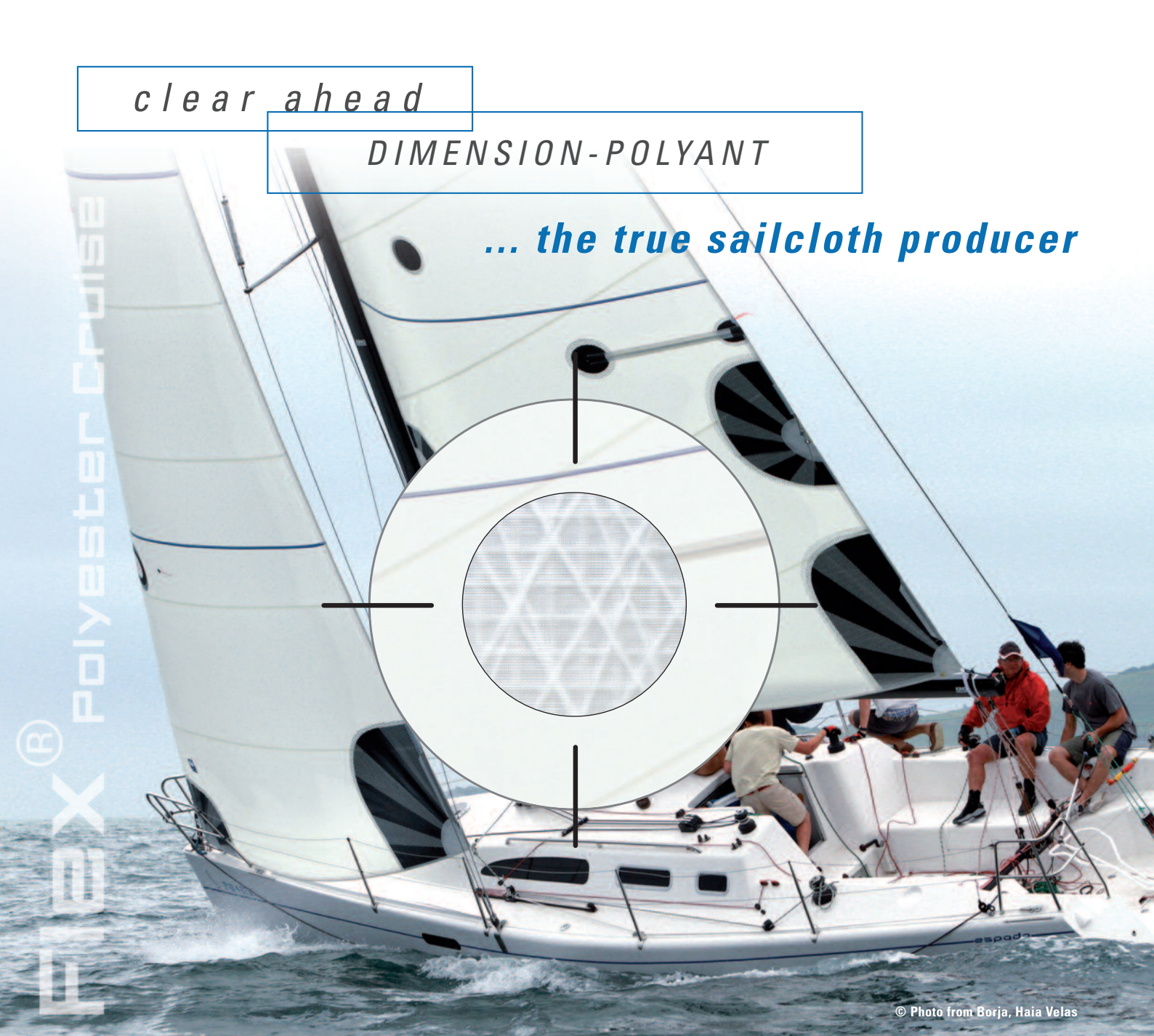


*clear ahead*

*DIMENSION-POLYANT*

*... the true sailcloth producer*

FLEX® Polyester Cruise



© Photo from Borja, Haia Velas



**Flex® Polyester Cruise**

DIMENSION-POLYANT's FLEX® line stands for "Fill Laminate Extra X". The FLEX® range of fabrics is suited to racing and

cruising sails. Foundations of all FLEX® laminate constructions are strong fill and warp yarns. Additional 20° and 30° "Double X" patterns from the fill absorb multiple load situations. Thanks to its novel construction, FLEX® handles strain in six different directions, resulting in unprecedented shape retention characteristics. In addition to primary loads, off-angle loads in clew, head and tack areas, mid leech and luff are catered for. FLEX® will also absorb those dynamic loads that occur during sailing and enables excellent shape control. FLEX® styles are crosscut fabrics and available with several fibre densities which can be combined in a sail in accordance with the expected load situation. FLEX®'s firmly locked-up fiber matrix guarantees long performance life and superior durability.



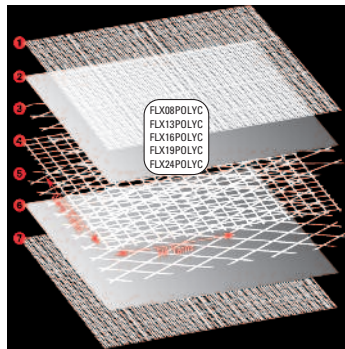


**Flex<sup>®</sup>** Polyester Cruise

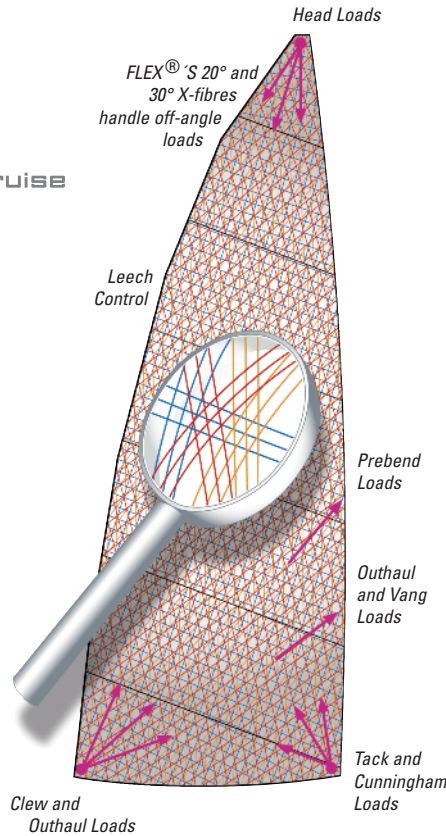
**FLX19POLYC**

**FLEX<sup>®</sup>** - excellent shape control

- Multi-directional load handling – 0° Warp/90° Fill, double 20° yarns, and double 30° yarns means FLEX<sup>®</sup> handles load in six directions
- Leech stability – FLEX<sup>®</sup>'s double "X"s handle mid-leech loads of high- and low-aspect mains and genoas
- Tear strength – Strong, durable fill and warp yarns make FLEX<sup>®</sup> a tough, durable material
- Maximum draft position – Multi-directional yarn layout addresses stability in draft position
- Step-up construction – Progressive weights in each FLEX<sup>®</sup> line allow step-up construction
- Ease of construction – FLEX<sup>®</sup>'s two extra "X"s means there's no need to flip-flop panels – and a FLEX<sup>®</sup> sail has fewer panels than other cross-cut products
- Sail weight reduction – FLEX<sup>®</sup> has the ability to split weights from high-load to low-load areas



1. Anti-microbial taffeta for chafe protection and resistance to mildew
2. PET film with SPF+ UV inhibitor for low load stability and UV protection
3. 20° Yarns handle off-angle high loads: upper leech, head, tack, and clew
4. 30° Yarns handle off-angle low loads: mid-leech, prebend, boom vang
5. Fill/Warp Yarns handle primary loads, add breaking strength and durability
6. PET film with SPF+ UV inhibitor for low load stability and UV protection
7. Anti-microbial taffeta for chafe protection and resistance to mildew



sailcloth technology

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Name	Warp/Fill	X-PLY 30 degree	X-PLY 20 degree
FLX 13POLYC	4 x 4 1000 P x 1000 P	3 x 3 1500P	2 x 2 1500P
FLX 16POLYC	5 x 6 1000 P x 1000 P	3 x 3 1500P	2 x 2 1500P
FLX 19POLYC	6 x 7 1000 P x 1500 P	3 x 3 1500P	2 x 2 1500P
FLX 24POLYC	6 x 6 1000 P x 2000 P	3 x 3 1500P	2 x 2 1500P

Light Taffeta on both sides

**DIMENSION-POLYANT.COM**