

# the Cloth, sails are made of

# ARAMID RACE



Designing the Future

## *FLEX ARAMID RACE*

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.

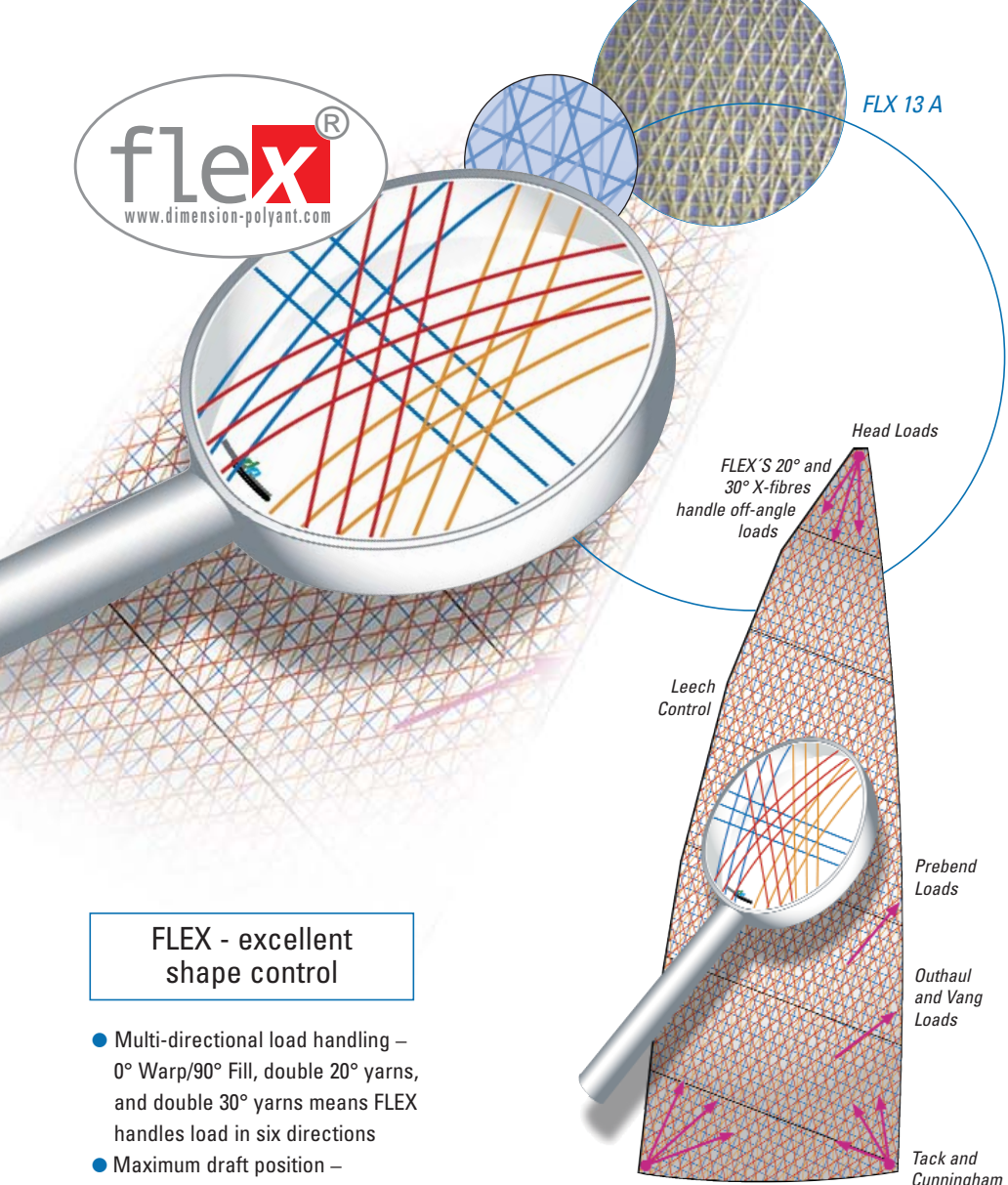
[www.dimension-polyant.com](http://www.dimension-polyant.com)



X-PLY® · DC-Line® · HydraNet® · FLEX · Wovens · D4® Membranes · HydraNet® Radial · GraphX® Carbon · DYS® Offshore · X-Tech · HTP® Plus · INSERT®

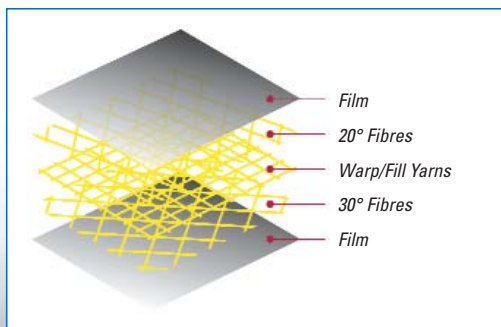
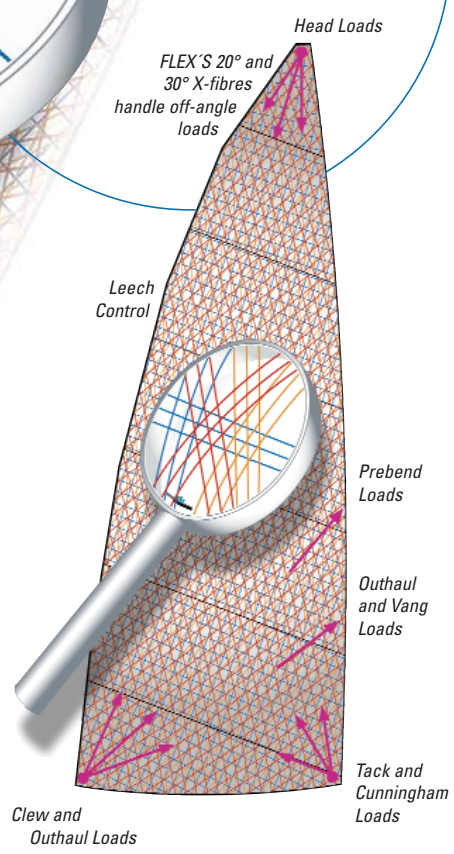


FLX 13 A



**FLEX - excellent shape control**

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



**Dimension-Polyant GmbH, Germany Headquarters**

Speefeld 7  
 D-47906 Kempen  
 Phone: +49 (2152) 891 0  
 Fax: +49 (2152) 891 149  
 info@dimension-polyant.com

**Dimension-Polyant APS, Denmark**

Redhavnsvej 9  
 DK-2100 Kobenhaven  
 Phone: +45 (39) 293 000  
 Fax: +45 (39) 293 500  
 copenhagen@dimension-polyant.com

**Dimension-Polyant SAS, France**

Rue Newton  
 Parc Technologique  
 F-17000 La Rochelle  
 Phone: +33 (0) 546 282 201  
 Fax: +33 (0) 546 412 840  
 larochelle@dimension-polyant.com

**Dimension-Polyant SAS, France**

Port de la Pointe Rouge  
 F-13008 Marseille  
 Phone: +33 (0) 491 736 628  
 Fax: +33 (0) 491 722 505  
 marseille@dimension-polyant.com

**Dimension-Polyant UK Ltd., United Kingdom**

Unit 11, Kingdom Close  
 Kingdom Business Park  
 Segensworth East  
 GB-Fareham Hampshire PO15 5TJ  
 Phone: +44 (1489) 570 551  
 Fax: +44 (1489) 570 451  
 uk@dimension-polyant.com

**Dimension-Polyant Inc., USA**

78, Highland Drive  
 USA-Putnam CT 06260  
 Phone: +1 (860) 963 7413  
 Fax: +1 (860) 928 0161  
 info@dpcloth.com

**Dimension-Polyant Sailcloth PTY Ltd., Australia**

Unit 7/9 Powells Rd.  
 AUS-Brookvale N.S.W. 2100  
 Phone: +61 (2) 9905 9565  
 Fax: +61 (2) 9905 9569  
 dp-aus@dimension-polyant.com

Style	Warp/Fill	30° X-Fibres	20° X-Fibres
FLX 08 A	4 x 4 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	
FLX 13 A	4 x 4 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX 16 A	5 x 6 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX 19 A	7 x 7 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid

