

TRIGLASS® SAIL BATTEN composite profiles, reinforced with fibreglass and/or carbon, represent one of the pultruded profiles made by Top Glass.

Partially available from stock our sail battens are designed for the **marine industry**. They are made to meet the needs of **windsurfing, fishing boats, sail boats, dinghies** and **catamarans**.

Thanks to their shape and characteristics, they are also used as **reinforcements for quick-opening industrial doors**, in systems for **removable coverings**, and as **tarpaulins for trucks**.



FLAT sailbattens



BASE	ALTEZZA
9	2,5
15	5
18	2
24	2,5
30	4,5
50	4

IN RED colour: dimensions available **in stock** (subject to prior sale)

IN GREY colour: dimensions available **upon request** and produced with a variety of reinforcements, resins and colours and based on **minimum production quantities** that can differ depending on the profile

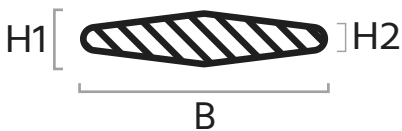
SPECIFICATIONS OF IN-STOCK PROFILES:

LENGTH IN STOCK: 4.000 mm

COLOUR IN STOCK: WHITE

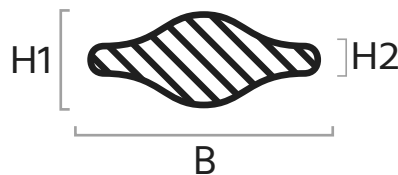
MATRIX IN STOCK: STANDARD POLYESTER

RHOMB sailbattens



BASE	HEIGHT ¹	HEIGHT ²
15	3	1
15	4,5	1
24	4	1,8
30	3	2,5
40	4	2

CROSS sailbattens



BASE	HEIGHT ¹	HEIGHT ²
15	6	1,5
25	7,5	2,6

Nominal dimension: mm



MEAN PHYSICAL-MECHANICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT OF MEASUREMENT	STANDARD PROFILES MEAN VALUE
Specific weight	ASTM D792	g/cm ³	1,8 ÷ 2.0
Longitudinal thermal expansion coefficient	ISO 11359 - 2	K ⁻¹	7.5x10 ⁻⁶
Water absorption	ISO 62	%	0,4
Thermal conductivity	EN 12667 EN 12664	W/mK	0,3
Longitudinal flexural strength	ASTM D790	MPa	500 ÷ 700
Longitudinal flexural modulus	ASTM D790	GPa	20 ÷ 35
Longitudinal compression strength	ASTM D695	MPa	250 ÷ 350
Longitudinal compression modulus	ASTM D695	GPa	18 ÷ 30
Fire reaction	UL 94	CLASS	HB
Shear strength	ASTM D2344	MPa	30

VALUES REFER TO REINFORCED PROFILES WITH FIBREGLASS IN A **POLYESTER MATRIX**

Tolerance for mechanical properties refers to longitudinal direction: ± 10%

The data provided is accurate. However, Top Glass does not assume any liability as to its use.

NOTES:

- LOWER MECHANICAL VALUES REFER TO SAILBATTENS 40 x 4 mm AND 50 x 4 mm
- POSSIBLE TO PRODUCE IN VINYLESTER RESIN

