Ahlstrom-Munksjö
HighFlow Marine Carbon Fiber

Ahlstrom-Munksjö is one of the leading companies involved with composite development, supporting several different industries to achieve effective solutions using lighter weight materials.

Ahlstrom-Munksjö HighFlow is an innovative fabric which optimizes resin infusion, enabling designers and manufacturers to deliver better lightweight composites for the marine industry.

Benefits

- Efficient resin infusion, complete resin wet out and minimal air voids
- Maximises resin infusion, with process speeds **up to 400% faster** for the entire laminate construction
- Customises infusion speed, without any restrictions to product construction and weight
- Reduces total cost of ownership **by up to 15%**

HIGHFLOW CARBON FIBER FABRICS

HighFlow Biax 600 ±45° fabrics (Carbon fiber)

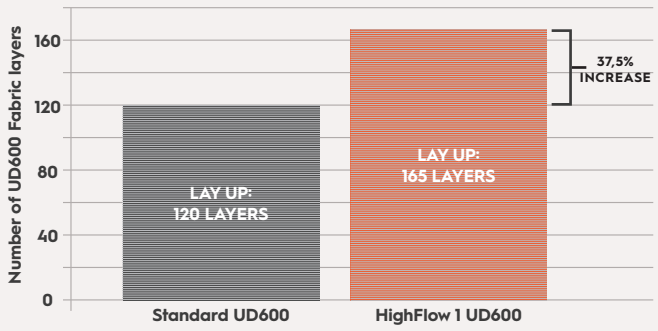
GRADE CODE	BASIS WEIGHT (g/m^2)	RESIN FLOW SPEED
HighFlow 1 Biax 600 ±45°	600	Fast
HighFlow 2 Biax 600 ±45°	600	Faster

HighFlow UD600 fabrics (Carbon fiber)

GRADE CODE	BASIS WEIGHT (g/m^2)	RESIN FLOW SPEED
HighFlow 1 UD600	600	Fast

HighFlow UD600 Carbon

Illustration of efficient resin infusion, complete resin wet out and minimal air voids.



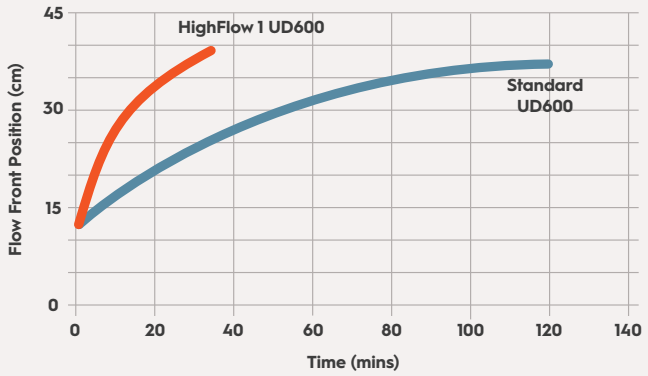
Test Setup
HighFlow 1 UD600
Infusion with VAP membrane

Width
600mm

Infusion Resin
CTP Cetepox 3325 A/B

Infusion time
2,5 hours

Resin Flow Front position for UD600 Carbon in 90°- direction



Test setup
6 x HighFlow 1 UD600

Infusion resin
CTP Cetepox 3325 A/B

HighFlow Carbon Fiber products are compatible with epoxy and vinyl ester resins.

Contact Ahlstrom-Munksjö Sales: glassfibre@ahlstrom-munksjo.com

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