



# Ahlstrom-Munksjö **HighFlow** Wind Energy

**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 turbine blades.

## Benefits

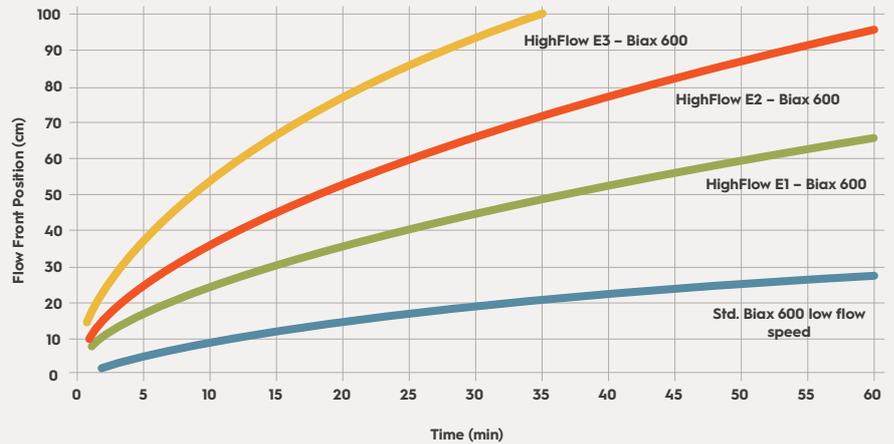
- ✔ Delivers complete fabric wet out, minimizing air voids
- ✔ Maximises resin infusion, with process speeds **up to 300% faster** for the entire laminate construction
- ✔ Customises infusion speed, without any restrictions to product construction and weight
- ✔ Reduces total cost of ownership **by up to 15%**

**HIGHFLOW BIAx FABRICS**

HighFlow Biax 600 +-45 fabrics (E-glass fiber)

GRADE CODE	BASIS WEIGHT (g/m <sup>2</sup> )	RESIN FLOW SPEED
HighFlow E1 Biax600 +-45	600	Fast
HighFlow E2 Biax600 +-45	600	Faster
HighFlow E3 Biax600 +-45	600	Fastest

Resin Flow Front Position Estimate for Biax 600 45°/45°

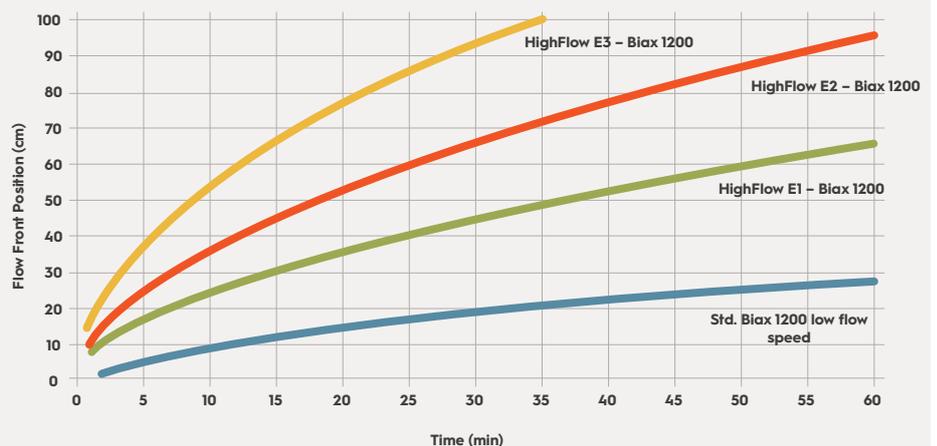


Resin Hexion: RIMRI35i/RIMH137, Viscosity: 300 MPas, Test Set-up: 5 x Biax 600g/m<sup>2</sup>

HighFlow Biax 1200 +-45 fabrics (E-glass fiber)

GRADE CODE	BASIS WEIGHT (g/m <sup>2</sup> )	RESIN FLOW SPEED
HighFlow E1 Biax1200 +-45	1200	Fast
HighFlow E2 Biax1200 +-45	1200	Faster
HighFlow E3 Biax1200 +-45	1200	Fastest

Resin Flow Front Position Estimate for Biax 1200 45°/45°



Resin Hexion: RIMRI35i/RIMH137, Viscosity: 300 MPas, Test Set-up: 5 x Biax 1200 g/m<sup>2</sup>

Biaxials available with E-glass fiber and Carbon fiber.

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

[www.ahlstrom-munksjo.com](http://www.ahlstrom-munksjo.com)

