

Ahlstrom

FibRoc[®] Flooring

Solutions for Heavy Duty Floorings

Ahlstrom is a leading, global manufacturer of high performance fiber-based solutions, supplying products to the flooring industry for over 40 years.

Heavy duty floorings need to be robust and highly durable for extreme use, as well as having style and comfort for e.g. offices, hospitals, hotels, sport, safety and buses.

Our unique wet-laid and proprietary foam forming manufacturing technologies, experienced personnel, plus our reliable and extensive product range guarantee production of high quality floorings.

Ahlstrom FibRoc[®] nonwoven product range for heavy duty floorings is the widest in the market with a large combination of fibers: 100% glass, glass/polyester enabling flexible and resilient floorings and polyester/cellulose.

Our polyester/cellulose nonwovens can also be used in combination with scrim reinforcement delivering strong internal cohesion to the final flooring product.

Benefits

- ✔ **Exceptional dimensional stability and strength** – delivering stability and strength for final flooring product
- ✔ **Controlled rigidity, permeability and thickness** – enabling optimized flooring manufacture
- ✔ **Excellent compatibility with plastisol** – delivering smooth surface for enhanced gravure printability
- ✔ **Extensive and sustainable product range** – offering formaldehyde free and biodegradable binder solutions
- ✔ **Versatile manufacturing technology** – enabling flexible development and customized solutions for customers
- ✔ **Security of supply** – several qualified manufacturing platforms

Ahlstrom glass nonwoven product range for flooring manufacturers

Ahlstrom glass nonwovens contain glass fibers and tailor-made binder formulations. Glass fibers in the nonwovens are of various diameters (6-16 microns) and lengths (6-20mm). Available in basis weights from 15 to 130g/m².

Typical product references:

Grade	Description	Basis weight g/m ²	Thickness mm	Air permeability l/m ² s (200Pa)
AW-933G032-50	Formaldehyde-free glass nonwoven with surface binder G = 10 micron glass fiber	50	0.41	4700
GFT-93G10-60	Formaldehyde-free glass nonwoven G = 10 micron glass fiber	60	0.49	4100
GFT-93G10-75	Formaldehyde-free glass nonwoven G = 10 micron glass fiber	75	0.57	3500

Widths up to 4200mm from European plant and up to 5200mm from USA plant. Standard core inner diameter: 152mm. Standard roll outer diameter: 1200mm.

Ahlstrom glass/polyester nonwoven product range for flooring manufacturers

Ahlstrom nonwovens contain glass and polyester fibers and tailor-made binder formulations. This solution enables flexible and resilient floorings. Available in basis weights from 30 to 120g/m².

Typical product references:

Grade	Description	Basis weight g/m ²	Thickness mm	Air permeability l/m ² s (200Pa)
AWE-933G032-50	Formaldehyde free glass/polyester nonwoven with surface binder G = 10 micron glass fiber	50	0.42	4700
GEFT2-80G80-40	Two layer glass/polyester nonwoven G = 10 micron glass fiber	40	0.34	3700

Widths up to 4200mm from European plant and up to 5200mm from USA plant. Standard core inner diameter: 152mm. Standard roll outer diameter: 1200mm.

Ahlstrom wetlaid nonwoven product range for scrim reinforcement manufacturers

For floorings requesting higher performances (safety, sports), Ahlstrom has developed a cellulose/polyester nonwoven with a highly controlled and stable porosity leading to higher productivity at scrim producers and less cleaning.

Our nonwoven also ensures strong internal cohesion to avoid delamination between the different layers in the final flooring product.

Typical product references:

Grade	Description	Basis weight g/m ²	Thickness mm	Air permeability l/m ² s (196Pa)
BR6818025	Cellulose/polyester nonwoven with a soft binder	25	0.093	1800
BR6832020	Cellulose/polyester nonwoven with a stiff binder	20	0.096	2050
BR6834030	Cellulose/polyester nonwoven with a stiff binder	30	0.122	1200

Widths up to 2400mm, roll diameter up to 1150mm

Ahlstrom manufacturing platforms:

Karhula, Finland | Brignoud, France | Madisonville, USA

Our manufacturing units are certified by SGS having ISO9001, ISO14001, ISO18001.

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