

Ahlstrom

FibRoc[®] Flooring

Solutions for Carpets and Carpet Tiles

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

Requirements for carpet and carpet tiles for residential and commercial use are strength and comfort, in addition to good acoustic and thermal properties.

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[®] Flooring product range for Carpets and Carpet Tiles includes various types of nonwovens.

Benefits

- ✔ **Exceptional dimensional stability and strength** – delivering stability and strength for final flooring product
- ✔ **Controlled chemical compatibility with customer's chemistry and processes** – delivering optimized manufacturing efficiency
- ✔ **Hot tensile strength during processing** – delivering optimized manufacturing efficiency
- ✔ **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 carpets and carpet tiles

Ahlstrom glass nonwovens contain glass fibers and tailor-made binder formulations. Glass fibers in the nonwovens are of various diameters (10-16 microns) and lengths (10-20mm). 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)
GVC-28M18-30	Glass nonwoven with bio binder M = 16 micron glass fiber	30	0.27	7300
GVC-96M18-50	Glass nonwoven M = 16 micron glass fiber	50	0.50	7500
GVC-96M18-30	Glass nonwoven M = 16 micron glass fiber	30	0.35	10000
GVC-77K13B-60	Glass nonwoven K = 13 micron glass fiber	60	0.52	6500

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)
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 carpet tiles

Developed to provide strong internal cohesion to avoid delamination between the different layers and bring aesthetic purposes for carpet tile manufacturers.

Typical product references:

Grade	Description	Basis weight g/m ²	Thickness mm	Air permeability l/m ² s (200Pa)
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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