

Ahlstrom

# FibRoc<sup>®</sup>

## Ceiling

## Solutions for Mineral Wool & Wet Felt Ceilings

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

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

Ahlstrom FibRoc<sup>®</sup> Ceiling product range for mineral wool and wet felt based ceilings includes a wide variety of nonwovens made of 100% glass as well as cellulose/glass blends.

Our extensive product range is available for both ceiling facings and backings, with a variety of properties included.

### Benefits

- ✓ **Noise reduction** – excellent level of noise reduction, delivering acoustic comfort within a room
- ✓ **Fire resistance** – ensuring compliance with all necessary safety standards
- ✓ **Controlled rigidity, permeability and thickness** – enabling optimized ceiling manufacturing
- ✓ **Exceptional dimensional stability and strength** – delivering stability and strength for final ceiling product

## Ahlstrom glass nonwoven product range - Facing reinforcements requiring high puncture resistance as well as high durability

High efficiency Ahlstrom nonwovens contain glass fibers and tailor-made binder formulations. Glass fibers in the nonwovens are available with various diameters (6-16 microns) and lengths (6-20mm).

### Typical product references:

Grade	Description	Basis weight g/m <sup>2</sup>	Thickness mm	Air permeability l/m <sup>2</sup> s
<b>GFT-70K13-120</b>	Glass nonwoven	120	1.01	3400

K=13 micron fiber. Available in basis weights from 15 to 130g/m<sup>2</sup>. Widths up to 4200mm. Standard core inner diameter: 152mm. Standard roll outer diameter: 1200mm

## Ahlstrom glass nonwoven product range - Facings requiring smooth surface

High efficiency Ahlstrom nonwovens contain glass fibers and tailor-made binder formulations. Our unique glass nonwovens provide good smoothness and low permeability.

### Typical product references:

Grade	Description	Basis weight g/m <sup>2</sup>	Thickness mm	Air permeability l/m <sup>2</sup> s
<b>GFT-25G10-50</b>	Glass nonwoven	50	0.45	4900
<b>GFT-77G10-75</b>	Glass nonwoven	75	0.58	3300
<b>NGW-77GD2P13-55</b>	Glass nonwoven with pigment coating	55	0.37	3400
<b>NGW-77GD2P13-75</b>	Glass nonwoven with pigment coating	75	0.51	2800
<b>NGW-263G0P14B-70</b>	Glass nonwoven with pigment coating	70	0.56	3300

D=6 micron fiber, G=10 micron fiber. Available in basis weights from 15 to 130g/m<sup>2</sup>. Widths up to 4200mm. Standard core inner diameter: 152mm. Standard roll outer diameter: 1200mm

## Ahlstrom glass nonwoven product range for backings

High efficiency 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).

### Typical product references:

Grade	Description	Basis weight g/m <sup>2</sup>	Thickness mm	Air permeability l/m <sup>2</sup> s
<b>GFT-263K13-35</b>	Glass nonwoven	35	0.36	8100
<b>GFT-263K13-50</b>	Glass nonwoven	50	0.49	6200
<b>GFT-93G10-30</b>	Glass nonwoven	30	0.28	6800
<b>AW-933G032-35</b>	Glass nonwoven with surface binder	35	0.30	5700

G=10 micron fiber, K=13 micron fiber, Available in basis weights from 15 to 130g/m<sup>2</sup>. Widths up to 4200mm. Standard core inner diameter: 152mm. Standard roll outer diameter: 1200mm

## Ahlstrom cellulose/glass nonwoven - Product range for mineral wool tile backings

High efficiency Ahlstrom nonwovens contain cellulose/glass fiber blends, a grey clay coating, and tailor-made binder formulations. Non slippery when stacking tiles. No oxidation creating black powder with the risk of staining front side with fingertips.

### Typical product references:

Grade	Description	Basis weight g/m <sup>2</sup>	Color	Air permeability l/m <sup>2</sup> s
<b>BR7468070</b>	Cellulose/glass nonwoven with clay coating, synthetic binder and fire retardant additive	70	Grey	< 7.5

Available in basis weights from 15 to 180g/m<sup>2</sup>. Widths up to 2400mm, roll diameter up to 1150mm

### Ahlstrom manufacturing platforms:

**Karhula, Finland | Brignoud, France | Ställdalen, Sweden | Madisonville, USA**

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

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