

# Bekinox® W 12/18

## Stainless steel fibers, blended with wool for anti-static textiles

Bekaert Bekinox® stainless steel fibers are used to make woollen floorcoverings and upholstery fabrics anti-static controlled, e.g. carpets and fabrics for airplanes.

Bekinox® W 12/18 facilitates the blending of Bekinox® stainless steel fibers in woollen spun face yarns and provides an economical and highly efficient solution for the static control of woollen carpets and upholstery fabrics.

Anti-static carpets prevent malfunction of electronic instruments and insure safe flying.



### **How can your company benefit from Bekaert anti-static textiles?**

This datasheet gives an overview of how Bekaert stainless steel fibers can make your product anti-static. If you want to find out in detail how these high quality fibers, filaments and yarns can work for you too, we are happy to advise.

Being close to you is central to the Bekaert strategy. This means you can count on your local contacts who speak your language and are close to your business. Our sales and services teams are there for you in Belgium, Brazil, China, India, Japan, Korea and USA.

Do not hesitate to contact us:

[stainlesssteeltexiles@bekaert.com](mailto:stainlesssteeltexiles@bekaert.com) - [antistatic.bekaert.com](http://antistatic.bekaert.com)

## Product specification

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Bekaert Bekinox® W 12/18 is a blend of 82% wool and 18% Bekinox® stainless steel fibers.

### Wool:

- type: New Zealand
- 30 - 35 µm
- average staple length: 100 mm

### Stainless steel fibers:

- diameter: 12 µm
- dtex: 9
- average staple length: 90 mm

## Blending of Bekaert Bekinox® W 12/18 in the woollen spun spinning process

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The bulk material is mixed with scoured wool in the blending chambers.

**Carpeting:** we recommend to mix a minimum of  $\pm 3.3\%$  of Bekinox® W 12/18 blend with the scoured wool, which corresponds to a steel content of 0.60%.

**Upholstery yarns:** a steel content of 1% is recommended which means a blend of 5.5% of Bekinox® W 12/18 for the bulk material.

## Make-up and packing

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In plastic bales:

- weight: 25 kg
- dimensions: 85 x 48 x 35 cm

## Cost effective

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- Easy to process
- Preblended
- Minimal percentage required

## Best performance

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- Long lifetime
- Up to very low resistances with minimal percentage of fibers
- Humidity independent

## Quality control and testing

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Offering you our core competence in metal transformation, Bekaert controls the quality of its products from the wire rod to the innovative textile.

This total quality control allows us to provide you with outstanding quality products, thus contributing to the continuous quality improvement of your products as well.

On your demand, you can submit your samples for testing and evaluation in our laboratories.

Bekaert has the means to test the electrostatic properties or electrical conductivity of all products containing Bekaert Bekinox®.

Our technical staff will help you to finally determine the specific requirements for your products.

All customers' remarks and suggestions are welcome to improve permanently the quality of our products.

