

Freva AntiBac

Microbe-free surfaces thanks to innovative nanosilver technology



Combat against
unwanted
germs and
bacteria





**Maximum effectiveness
against 99.9% of all bacteria**

Antibacterial GRP coating for improved safety and hygiene

Hygiene concepts in the area of food processing and storage meet the highest standards, and are continuously further developed and adapted to the latest developments. The highest priority here is avoiding microbes and bacteria. Now, with Freva AntiBac, there is a material that can be used for ceilings and walls in food-related areas that neutralizes bacteria with a special additional feature – seven days a week, 24 hours a day.

Special nanosilver surface

The Freva AntiBac surface has all the benefits of a GRP coating, from high stability to easy cleaning – and it also features an antimicrobial GELCOAT finish with nanosilver particles. This highly effective silver additive significantly improves hygiene and sterility by preventing bacterial growth in a variety of ways.

3-fold effect on bacteria

If microbes and bacteria come into contact with the Freva AntiBac surface, the silver ions affect the bacterium in 3 different ways:

- Disrupting the metabolic process by deactivating cellular enzymes
- Destroying the cell membrane
- Preventing cell division

Freva AntiBac lastingly and efficiently neutralizes over 99.9% of all bacteria on its surface within 24 hours after the bacterium comes into contact with the coating.



Additional support for existing hygiene concepts

Freva AntiBac offers maximum effectiveness against bacteria. In addition to regular disinfecting measures, Freva AntiBac acts as a constant disinfectant and helps balance out natural fluctuations in cleaning and disinfection thanks to its ongoing antibacterial effect.

Quality and safety: nanosilver “Made in Germany”

In developing the material, our supplier LAMILUX worked with German company RAS AG, which is considered the world-wide leader in the area of nanosilver research. The newly developed nanosilver is rated completely safe for people and the environment, and can be used in food-related areas. The antibacterial effect is guaranteed to last at least 55 years.

Freva hygiene systems with an antibacterial effect

All Freva hygiene systems can be manufactured with Freva AntiBac:

- Freva GRP insulation panels
- Freva HygieneTop
- Freva renovation systems
- Freva clean-room walls and ceilings
- Freva PIR combo panel

Freva AntiBac insulation panels

Insulated core	EPS 040 / 035 or PIR (Freva PIR combo panel)
Coatings	GRP/GELCOAT 2.0 mm FrevaStruktur 2.3 mm
Thickness	20 to 240 mm
Dimensions	Width: 1200 / 1180 mm, length: variable
Element connection	Tongue and groove
Joint covering	Hard jointing with 2C EPU 25 joint compound
Fire protection class	B2 - DIN 4102, Part 1

The following coatings are available as Freva AntiBac:

- GFK/GELCOAT 2.0 mm
- FrevaStruktur 2.3 mm

Freva AntiBac surfaces are the same color as GRP coatings that do not have an antibacterial layer.

For optimal hygiene conditions, we recommend using Freva AntiBac together with our maintenance-free HygieneTop hard jointing.

Application areas

Freva AntiBac helps you in the fight against undesirable microbes and bacteria – in a wide range of work areas:

- Food production and storage
- Cheese maturing rooms
- Clean rooms
- Medicine and research, labs
- Agriculture and livestock farming

Jointing with EPU 25 joint compound: the long sides of the panels come factory-taped.

Smooth over the filled joint with a smoothing spatula.

After adhesive tape is removed, the joint compound will harden completely

and will seal the joint reliably, without any cavities. ▼





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