

AntiBac - Microbe-free surfaces

Especially high hygiene requirements call for extraordinary materials. Upon request, we can also supply MK clean room panels with an antibacterial surface.

MK AntiBac has all the same benefits as a "normal" GRP coating, and is also equipped with an antimicrobial GELCOAT finish with nanosilver particles. The highly effective silver additive acts as a permanent disinfectant, and significantly improves hygiene and sterility. MK AntiBac lastingly and efficiently neutralizes more than 99.9% of all bacteria on its surface.

Assembly and installation of clean-room-compatible accessories

Thanks to its low element weight and the custom-fit tongue and groove system, the panel system is easy to assemble. With the appropriate tools, all of the necessary cutouts and pass-throughs can be made in the panels. Doors, windows, airlocks, lamps and air filters can easily be installed flush with the panel.



Before jointing:
panel edges are
masked with adhesive
tape to allow for
precise jointing.

Contact

MK Versuchsanlagen GmbH & Co. KG

Stückweg 10 • 35325 Mücke • Germany

+49 6400 9576030

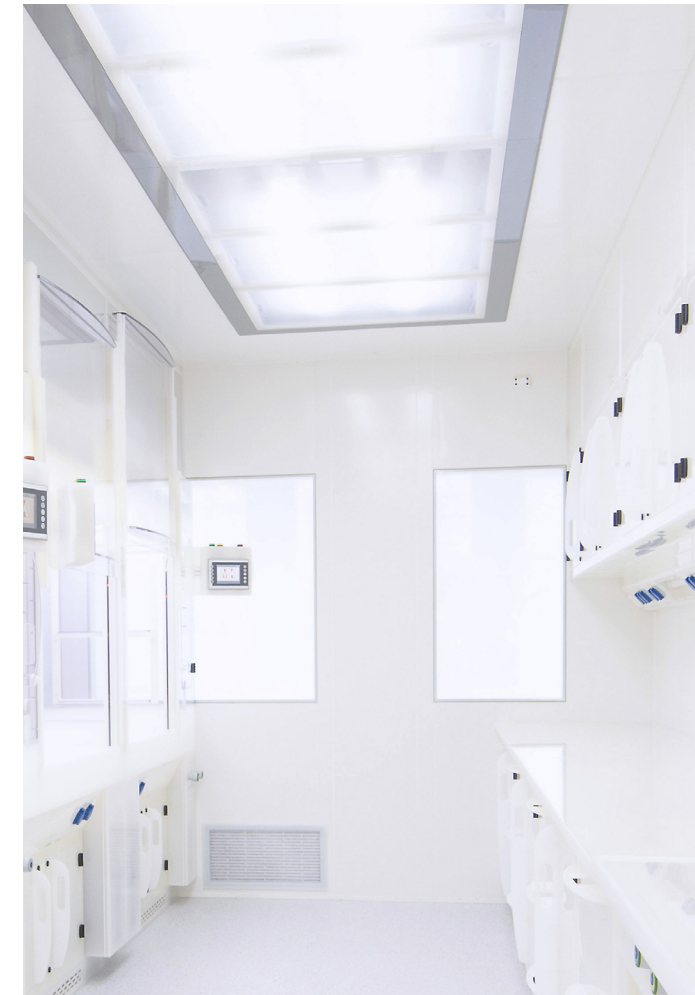
sales@mk-versuchsanlagen.de

www.mk-versuchsanlagen.de



MK-Clean Room Panels for building clean and sterile rooms

Smooth, stable GRP surfaces for
highly sensitive work areas



Protecting people and products

High standards for clean room walls and ceilings

Walls and ceilings in clean rooms must be smooth and free from cracks, and easy to clean. Cavities, edges and projections are to be avoided.

MK-Clean Room Panels are the perfect system solution:

- Energy-saving EPS insulation core
- Customizable length, thickness, and coating combinations
- Minimum and reliably seals due to HygieneTop hard jointing
- Completely metal-free



Pore-free GFK/GELCOAT surface finishing

Our GRP/GELCOAT finishes are especially suitable for use in clean rooms, e.g. the fabric-reinforced GRP/GELCOAT 1.5 mm or GRP/GELCOAT 2.0 mm. The high-quality GELCOAT finish also seals the GRP layer and is therefore often used in rooms with high hygiene requirements. The surface is light-colored and smooth, easy to clean and resistant to various salts, acids and chemicals (resistance list available upon request). GRP is distinguished by its high stability and scratch resistance.

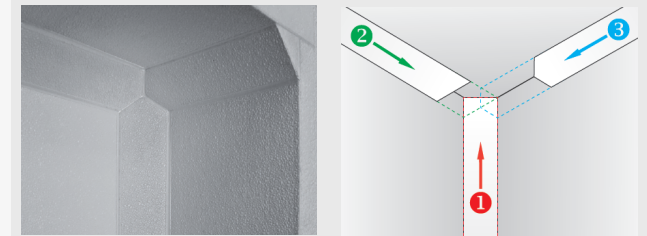
MK-clean room panels	
Insulation core	EPS 040 / 035 oder PIR (Freva PIR combo panel)
Coatings	GRP/GELCOAT (available with optional MK AntiBac – antibacterial coating); reverse can be combined with other coatings, e.g. GRP, galv. steel plate, aluminum foil, PVC
Thickness	80 to 240 mm
Dimensions	Width: 1200 / 1180 mm Length: variabel
Element connection	Tongue and groove
Joint covering	Hard jointing with 2C EPU 25 joint compound
Fire protection class	B2 - DIN 4102, Part 1

Maintenance-free hard jointing with Freva HygieneTop

Our specially developed hard joint compound EPU 25 has been used in the food industry for many years already. In contrast to the permanently elastic sealing compounds that are normally used in clean rooms, Freva HygieneTop hard jointing does not need to be regularly replaced. The 2-component joint compound is applied to the joint, spread out with a smoothing spatula, and then hardens completely. All joint transitions are reliably sealed.

Corners can be sealed in two different ways:

Hygiene corner



Gluing a triangular chamfer into the 90° corner creates an angled corner with a 45° angle.

90° corner



Joint compound is applied to the 90° corner and shaped into a chamfer.