

TroBloc® M

Hygienic wall cladding sheets

Facilitate compliance with the highest standards of hygiene in medical facilities



Healthcare



TroBloc® M

Hygienic wall cladding sheets

In medical institutions proper hygiene protects and saves lives. Whether in hospitals, doctors' offices, clinics or nursing homes - comprehensive hygiene management and strict rules of conduct help medical staff prevent infections and thus contribute to the safe treatment of patients. The correct cleaning and disinfection of medical equipment, furnishings and wall surfaces are an important part thereof.

We have developed **our TroBloc® M hygienic wall panels** in particular with the requirements of the medical sector in mind.

- TroBloc® M hygienic wall cladding sheets have an exceptional **easy-to-clean effect**, which permits the thorough and quick cleaning even of large surfaces
- TroBloc® M hygienic wall cladding sheets support medical personnel in maintaining the highest standards of hygiene in medical facilities

Characteristics – TroBloc® M

Compared to conventional surfaces, TroBloc® M has several advantages. It takes great effort to clean large surfaces such as walls and doors, in particular tiled walls having numerous joints. In addition, in medical facilities they must withstand regular and repeated contact with aggressive disinfectants and cleaning agents for long periods of time. TroBloc® M meets these requirements because of its special characteristics:

• Highly hydrophobic surface

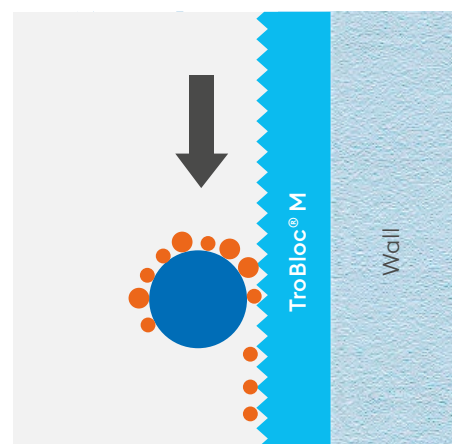
TroBloc® hygienic wall panels are produced using an extrusion process, which results in a **particularly dense, smooth surface**. In a further finishing step, the active side is adjusted highly **hydrophobic (highly water-repellent)** and the finest pores are sealed even further. This additionally prevents the penetration of dirt and liquids into the surface.

• Easy-to-clean effect

Owing to these extraordinary hydrophobic, i.e. water-repellent, characteristics of the panels, TroBloc® is particularly suitable for cladding walls that have to be cleaned frequently as **liquids run off and dirt does not adhere easily**. The special finishing of the panel surface using our specialized manufacturing process also results in a high resistance to scratching and a very smooth surface. This has the advantage of **significantly simplified cleaning** over other, in particular structured, systems. With structured panels, impurities can remain as breeding grounds for microbes, which results in a biofilm forming over time.

• Long service life

The active side of TroBloc® M is resistant to chemicals and extremely scratch-resistant. It can withstand regular cleaning with common disinfectants and cleaning agents for long periods of time, depending on the cleaning method chosen. This means the function of TroBloc® M is maintained for a long time even after frequent cleaning.



Schematic representation of the easy-to-clean effect: Owing to the highly hydrophobic surface, liquids roll off immediately and take any dirt along.



Tiled operating theatre

Before

- **Very easy installation**

The installation of our TroBloc® hygienic wall cladding sheets is particularly easy, as full-surface bonding can be easily performed on different surfaces. TroBloc® wall panels therefore have a large, closed surface without recessed joints, making cleaning even more efficient. Conventional wall coverings, such as those consisting of ceramic tiles, are much more complex to mount or affix and have countless joints and cross joints, aggravating their keeping clean and maintaining hygiene.

- **Active side with silver ion technology**

The suitability of TroBloc® as hygienic wall panels is supplemented by treating the active side with silver ion technology, which impairs the reproduction of certain microbes such as bacteria or fungi on the surface. The effectiveness of this proven silver ion technology is based on an interaction of the silver ions with the proteins and the DNA of these microbes and has been confirmed by tests performed by an independent laboratory in accordance with the standards. In terms of the Biocidal Products Regulation, TroBloc® is a so-called “treated article”.



TroBloc® M hygienic wall panels have an easy-to-clean effect permitting the quick cleaning of even large surfaces.



After

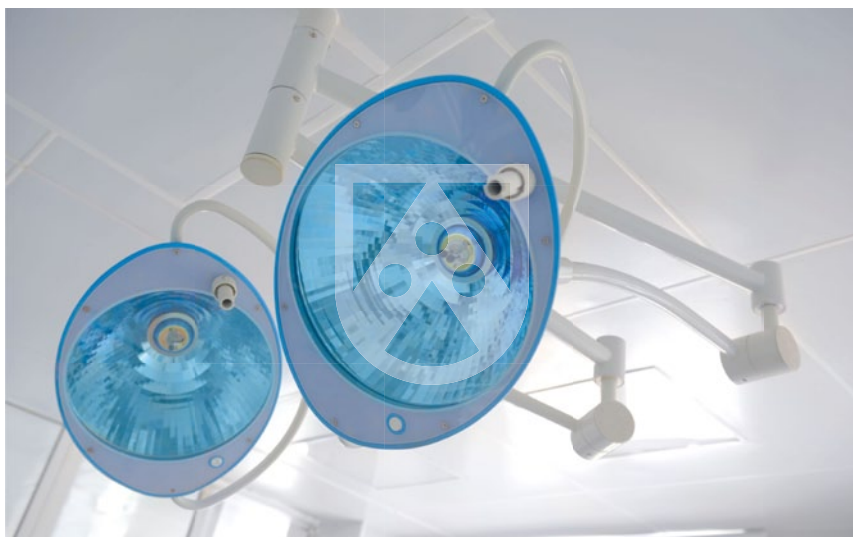
The operating theatre with TroBloc® M

Areas of application

TroBloc® M is suitable for wall cladding, ceilings, doors and surfaces in

- treatment rooms/operating theaters,
- sick rooms/isolation stations,
- corridors in hospitals,
- care facilities,
- pharmaceutical companies,
- mobile practices and treatment rooms.

New wall covering: a renovated operating theatre in the Bundeswehr central hospital Koblenz (military hospital) with the new wall protection sheets TroBloc® M.



High mechanical stability with proven effect: TroBloc® M foam in a sheet thickness of 10 mm is suitable, for example, for ceilings with a grid system in the operating room.

TroBloc® M

Hygienic wall cladding sheets



Product range

TroBloc® M

Dimension: 2,440 x 1,220 mm
3,050 x 1,220 mm
Thickness: 2.5 mm

TroBloc® M foam

Dimension: 3,000 x 1,250 mm
Thickness: 10 mm

Other dimensions on request

Colours: TroBloc® M and TroBloc® M foam
are available in any desired colour.
White is available ex stock.



Characteristics TroBloc® M

- Long-lasting effect
- High chemical resistance
- Extremely scratch-resistant
- Easy to clean
- Good bondability
- Active side impairs the reproduction of microbes



Characteristics TroBloc® M foam

Under the brand name TroBloc® M foam, TroBloc® M is available as a foamed panel having a panel thickness of 10 mm. TroBloc® M foam is particularly suitable for designs requiring higher mechanical stiffness and simultaneously hygienic:

- Ceilings having a grid system
- Sectioned wall designs
- Cladding and straightening of uneven walls

Covering of cables in medical facilities

Contact

Please do not hesitate to contact us if you wish to know more about our hygienic wall cladding sheet TroBloc® M. Just write to:

TroBloc@roechling-plastics.com

Technical data

	Test standard	Unit	Value
Modulus of elasticity	ISO 527-2 (DIN 53 457)	N/mm ²	≥ 2500
Coefficient of linear expansion	DIN 53 752	K ⁻¹	≈ 70 × 10 ⁻⁶
Fire behaviour	DIN 4102 (D) B.S. 476 Part 7 (GB) NFP 92-501 (FR)		BI, 1 to 4 mm Class 1, 2.5 mm MI - 2.5 mm

These specifications are for information purposes only and do not lead to any purchase contract warranties unless expressly agreed.

Röchling Engineering Plastics SE & Co. KG

Röchlingstr. 1

49733 Haren | Germany

T +49 5934 701-0

F +49 5934 701-299

info@roechling-plastics.com

www.roechling-industrial.com/haren

Röchling Engineering Plastics SE & Co. KG

Site Troisdorf

Mülheimer Str. 26, Geb. 115

53840 Troisdorf | Germany

T +49 2241 4820-0

F +49 2241 4820-100

info@roechling-plastics.com