

TroBloc® F

Hygienic wall cladding panels

Facilitate compliance with the highest hygiene standards
in food processing



Food Industry



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Facilitate compliance with the highest hygiene standards in food processing

Hygiene is the top priority in the food industry. Food must be manufactured and processed safely. Whether meat, fish, baked goods or fruit and vegetables: with extensive hygiene management and strict rules of conduct, the specialist staff contributes to the safe processing of the food - and thus to the protection of consumers. The correct cleaning and disinfection of machines, furnishings and wall surfaces play an important role.

We have developed our TroBloc® F hygienic wall cladding panels especially for the requirements in the food industry.

- TroBloc® F hygienic wall cladding sheets have an extraordinary easy-to-clean effect, which enables thorough and quick cleaning of large areas
- TroBloc® F thus facilitates compliance with the highest hygiene standards and supports specialist staff in the safe and hygienic production and processing of food

Properties – TroBloc® F

TroBloc® F offers several advantages over conventional surfaces. Above all, large surfaces such as walls and doors, especially tiled walls, which have numerous joints, can only be cleaned with great effort. In addition, they have to withstand long-term regular contact with aggressive disinfectants and cleaning agents in companies that process food. TroBloc® F meets these requirements with its special properties:

- **Highly hydrophobic surface:**

TroBloc® hygienic wall cladding 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® F 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® F is maintained for a long time even after frequent cleaning.



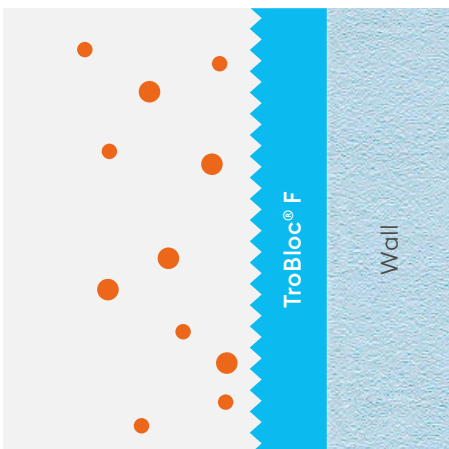
TroBloc® F hygienic wall cladding panels support specialist staff in complying with the high hygiene standards in the food industry.

- **Very easy installation:**

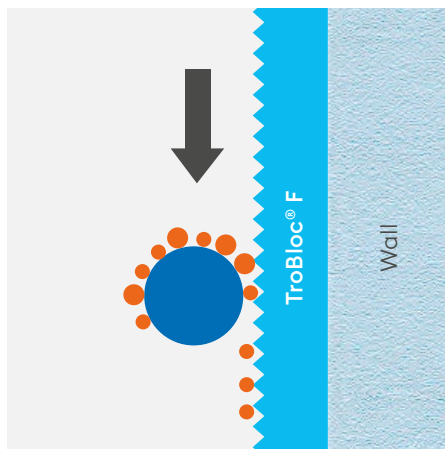
The installation of our TroBloc® hygienic wall cladding panel is particularly easy, as full-surface bonding can be easily performed on different surfaces. TroBloc® hygienic wall cladding panels therefore have a large, closed surface without recessed joints, making cleaning even more efficient. Conventional 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 cladding 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® F has an easy-to-clean effect that enables even large areas to be cleaned quickly.



Liquids roll off immediately and carry dirt with them due to the highly hydrophobic surface.



TroBloc® F Hygiene wall cladding panels enable with their easy-to-clean effect large surfaces to be cleaned quickly.

Fields of application

TroBloc® F hygienic wall cladding sheets are suitable for cladding walls, ceilings, doors and surfaces in:

- Food production and packaging
- Commercial kitchens
- Meat and poultry processing
- Bread and bakery industry
- Fish processing
- Beverage industry
- Gastronomy
- Dairy and dairy farming



TroBloc® F hygienic wall cladding panels are suitable for use in numerous areas of application.

Technical Data – TroBloc® F	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 bis 4 mm Class I, 2.5 mm M1 - 2.5 mm

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

TroBloc® M

Hygienic wall cladding panel



Product range

TroBloc® F

Dimension: 2,440 x 1,220 mm

3,050 x 1,220 mm

Thickness: 2.5 mm

TroBloc® F foam

Dimension: 3,000 x 1,250 mm

Thickness: 10 mm

Other dimensions on request

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



Properties TroBloc® F

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



Properties TroBloc® F foam

Under the brand name TroBloc® F foam, we offer TroBloc® F as a foamed sheet with a sheet thickness of 10 mm. TroBloc® F foam is particularly suitable for constructions in which greater mechanical rigidity and hygienic properties are required:

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

Contact

We would be happy to advise you in detail about the properties and possible uses of TroBloc® F.
Just write to:

TroBloc@roechling-plastics.com

Extensive range for the food industry

TroBloc® F is part of our extensive range for the food industry. We offer you a wide range of plastics for direct contact with food. Depending on the material they meet the requirements of EU regulation 10/2011 / EU and the US Food and Drug Administration (FDA). Our products include machined components according to customer drawing, Hydroma® hygienic cutting board and sliding profiles. We also offer Polystone® wall protection panels for use in the food industry, gastronomy and in commercial kitchens.

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