

Röchling TroBloc F

The antimicrobial solution for wall cladding in the food industry

Röchling TroBloc F is an antimicrobial sheet that prevents microbes, bacteria, viruses but also moulds that get on the surface from proliferating. Röchling TroBloc F does not use any toxins to achieve this antimicrobial effect.

Works against E. coli

The reliable effectiveness with regards to the E. coli (Escherichia Coli) bacteria has been successfully verified by test series carried out by the laboratories of Ciba Spezialitätenchemie AG, Basel/Schweiz.

These organisms has the ability to move towards an accumulation of nutrients. It is also possible for E. coli to avoid acids and high concentrations of salts, which could cause them damage, Röchling TroBloc F prevents this process.

Extremely dirt repellent

The surface of Röchling TroBloc F is extremely scratch-resistant and features a adhere to TroBloc sheets and the surface can be cleaned with ease.

Properties

- Antimicrobial effect also on Escherichia Coli (mod. AATCC 100)
- Constant, long-lasting effect because of non migration of the active ingredient
- High chemical resistance
- Extremely scratch resistant
- Easily cleaned

Product Range



Sizes:

2.000 x 1.000 mm, 2.440 x 1.220 mm,
3.000 x 1.220 mm, 3.000 x 1.500 mm,
4.000 x 1.220 mm, 4.000 x 1.500 mm

Thickness:

≥ 1,5 mm

Colours:

White - Custom colours available on request

Application Area

Typical application of wall cladding with Röchling TroBloc F are:

- Food processing and packaging industry
- Meat and poultry processing
- Beverage industry
- Catering, gastronomy
- Dairy industry

Non-Standard products available on request.

Technical Data	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 ⁻⁸
Fire Behaviour	DIN 4102 (D) Epiradiateur-Test (F) B.S. 476 Part 7 (GB)		B1, 1 to 4 mm M1, 1 to 4 mm Class 1, 1 to 4 mm
Antibacterial Efficacy on	Escherichia Coli	Reduction (log./%)	≥3,3 / 99,95

These data are just for information and will only result in a purchase contract after explicit agreement.

Röchling TroBloc M

The antimicrobial solution for wall cladding in hospitals, medical engineering and nursing homes

Röchling TroBloc M is an antimicrobial sheet that prevents microbes, bacteria, viruses but also moulds that get on the surface from proliferating. Röchling TroBloc M does not use any toxins to achieve this antimicrobial effect

Works against MRSA

The reliable effectiveness with regards to the MRSA (Methicillin Resistant Staphylococcus Aureus) virus has been successfully verified by test series carried out by the laboratories of Ciba Spezialitätenchemie AG, Basel/Schweiz.

The virus MRSA has become a big problem in hospitals in many countries because of its resistance against different kinds of antibiotics and biocides. Röchling TroBloc M is neither antibiotic or biocide and works in a revolutionary different way.

Extremely dirt repellent

The surface of Röchling TroBloc M is extremely scratch-resistant and features a very slight surface tension (<18 mN/m), comparable to that of Teflon. Dirt does not adhere to TroBloc sheets and the surface can be cleaned with ease.

Properties

- Antimicrobial effect also on MRSA (mod. AATCC 100)
- Constant, long-lasting effect because of non migration of the active ingredient
- High chemical resistance
- Extremely scratch resistant
- Easily cleaned



Product Range

Sizes:

2.000 x 1.000 mm, 2.440 x 1.220 mm,
3.000 x 1.220 mm, 3.000 x 1.500 mm,
4.000 x 1.220 mm, 4.000 x 1.500 mm

Thickness:

≥ 1,5 mm

Colours:

White - Custom colours available on request

Application Area

Typical application of wall cladding with Röchling TroBloc M are:

- Sick rooms
- Surgery rooms
- Corridors in hospitals
- Nursing homes
- Pharmaceutical companies
- Medical practice

Non-Standard products available on request.

Technical Data	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) Epiradiateur-Test (F) B.S. 476 Part 7 (GB)		B1, 1 to 4 mm M1, 1 to 4 mm Class 1, 1 to 4 mm
Antibacterial Efficacy on	MRSE VRE	Reduction (log./%)	≥2,5 / 99,97 ≥3,6 / 99,99

These data are just for information and will only result in a purchase contract after explicit agreement.

Röchling TroBloc Wall Cladding Elements Working Directions



Storage

TroBloc Pallets have to be stored apart, not stacked. Single sheets must be stored flat.

TroBloc sheet should be conditioned within the construction site at least 24 hours prior installation at room temperature (approx. 20°C/rel. humidity 50%). Depending on the field of application, the working temperature of 60°C should not exceed.

Protective Foil

TroBloc sheet is supplied with a protective cladding on its face (indoor usage only) which should be removed after installation.

Machining

TroBloc can be machined with all the standard tooling which is used to process wood and light metals (drilling, sawing and milling.) The choice of correct tools and cutting conditions is highly decisive to get good results. Commonly recommended is a high cutting speed at low feed rate and necessary good swarf removing.

TroBloc is not designed for processing by punching tools and punching cutters.

Non-cutting shaping

TroBloc sheets can be warm-bended at a processing temperature of approx 130-140°C. The bending angle is limited to 90° and trials are recommended for further angles. **TroBloc** has to be heated from the reverse side. Heating of the face side may cause an injury of the scratch resistant surface. It is recommended to carry out trials with the available heating and bending machinery.

Bonding

TroBloc sheets can be bended on the reverse side using suitable adhesives. The substrate has to be flat and smooth and it must be prepared for the bonding process. In general **TroBloc** can be bonded to different substrates e.g. wood, metal, plasterboard and different types of brick walls. Different thermal expansions have to be considered and allowances for expansion joints has to be made.

Instructions for use, processing directives, products - or performance indications, as well as other technical statements are general guidelines provided by the manufacturer. Due to the variety of application purposes for each product, and different conditions (e.g. processing parameters, material properties, etc.), it is recommended that the user has to carry out his own individual qualifying tests.

Dotmar and Röchling can be contacted for applications and technical advice.