



BOTAMENT EF 500

Epoxy Resin Adhesive and Grout Mortar

Product Properties

- A chemical resistant tile adhesive and grout mortar based on epoxy resin
- 2-component, solvent-free, and emulsifiable with water
- Waterproof and good flank adhesion
- For interior and exterior use

Areas of Application

- Suitable for chemically loaded areas such as breweries or dairies
- Very resistant to lightly acid and alkaline media and can be used for adhesion and grouting

Application

Substrate Preparation

The substrates must be free of tile adhesive, mortars, separating agents and dirt to provide optimal adhesion.

When grouting, especially with absorbent surfaces, we recommend that a test be carried out first to ensure that the coating can be correctly cleaned. Joints between pipe connections, components or areas of different expansion properties should be sealed using an elastic joint sealant.

Application

It is essential that components A+B be mixed in the correct mixing proportion. To mix them, empty the containers into a clean mixing container and carefully scrape out all material from the original containers.

Mix both components together using a slow moving mixer for several minutes. BOTAMENT® EF 500 must be applied with a notched trowel, ensuring that only enough adhesive is prepared to apply within the application time. For grouting, BOTAMENT® EF 500 is applied with a special grouting tool into the joints. Surfaces are then initially wiped down with a damp sponge and the tiles are only cleaned after this pre-wash is complete.

Chemical resistance list BOTAMENT® EF 500

Acetone	-		
Alcohol, undiluted			(+)
Aluminium chloride	10%	+	+
Formic acid	1%	+	
Ammonia solution	10%	+	+
Benzoic acid	10%	+	
Beer	+		
Fruit juices		+	
Glycerine		+	
Industrial fuel		+	
Potassium hydroxide	60%	+	+
Salt solution, saturated			+
Magnesium chloride	10%	+	+
Magnesium sulphate	10%	+	+
Sodium hydroxide	30%	+	+
Sodium carbonate	10%	+	+
Sodium sulphate	10%	+	
Oils, mineral (heating oil)			+
Paraffin oil		+	
Hydrochloric acid 10%		+1	
Hydrochloric acid 37%		+1	
Sulphuric acid 10%		+1	
Water, distilled		+	
Tartaric acid 10%		+1	
Zinc chloride 10%		+	
Citric acid 10%		+	
Sugar solution 50%		+	

+ = resistant

- = not resistant

+1 = discoloration

() = resistant or partly resistant

Test temperature +20 °C

Other media on request

Marketed by :

MC Bauchemie (Malaysia) Sdn Bhd (386385-M)

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Technical Data for MCR BOTAMENT EF 500 (all values relate to +25°C and 50% rel. humidity)

Grouting consumption	Unit	Value	Comments
Mosaic Tiles (20 mm x 20 mm)	kg/m ²	1.3	
Mosaic Tiles (50 mm x 50 mm)	kg/m ²	0.7	
Stone Tiles (150 mm x 150 mm)	kg/m ²	0.5	
Stone Tiles (200 mm x 200 mm)	kg/m ²	0.4	
Adhesive consumption			
~1.6 kg/m ²			(at 1 mm layer thickness)
Density	kg/lit	1.6	
Temperature Resistance	°C	-30 to +70	
Adhesive Bed Thickness	mm	2-6	
Chemical Loading			After 7 days
Working Time	Minute	~45	at working temperature of +25°C
Pot Life	Hour	2	at +25°C
Mixing Ratio		3:1	Part A:Part B

Product Characteristics for MCR BOTAMENT EF 500

Packaging	5 kg Part A: 3.75 kg Part B: 1.25kg
Colour	Grey / Standard white
Storage	Frost-free, cold and dry. Shelf life is 12 months in original packaging.
Cleaning agent	Thinner

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets and please take notice of the chapter "Safety Measures for Handling Coating Materials and Reactive Resins".

Note: Bespoke vendor supplies. The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 08/15. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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