

EpoFuga 708 (MasterCrete® TIL ER 708)

Epoxy-Based, Two-Component, Chemical and Bacteria Resistant Grouting Material

Material Description

EpoFuga 708 is an epoxy reaction resin-based grouting material used for filling joints. It is resistant to chemicals and bacterial growth, easy to apply, and easy to clean with water.

Areas of Application

- In indoor and outdoor spaces,
- In vertical and horizontal applications,
- In beer, wine and raisin industries,
- In soft drink and fruit juice industries,
- In milk, cheese and yogurt industries,
- In tomato paste, pickle and canning industries,
- In meat and fish industries,
- In pharmaceutical, paint, paper, battery and fertilizer industries,
- In printing houses, hotel kitchens and laundries,
- In hospital laboratories, dining halls, wet spaces and hygienic environments,
- In swimming pools and thermal pools,
- Wastewater and treatment facilities,
- In shopping centers.

Characteristics and Benefits


- It is resistant to chemicals, acids, alkalis and oils.
- It has high abrasion resistance.
- Has antibacterial properties and prevents mold and fungus growth.
- Applied **EpoFuga 708** does not retain dirt and is easy to clean afterwards.
- Suitable for joint widths from 2 mm to 10 mm.
- It is resistant to sudden temperature changes that last for a short period of time.
- It is resistant to freeze–thaw cycles.

Processing Method

(A) Preparation of Substrate

The application surface must be strong, dry, load-bearing, dust-free, clean, and level. It must be thoroughly cleaned of all oil, grease, rust, and paraffin residues that could reduce adhesion, and no loose particles should remain.

Technical Properties	
Structure of The Material EpoFuga 708 Part A EpoFuga 708 Part B	Epoxy Resin Epoxy Hardener
Color	Grey, White
Density (Mixed)	1.92 kg/L
Compressive Strength (28 Days)	>40 N/mm ²
Flexural Strength (28 Days)	> 10 N/mm ²
Substrate Temperature	+5°C to +25°C
Service Temperature	-20°C to +80°C
Walkable After	24 hours



Values obtained at +23 °C and 50% relative humidity. Higher temperatures shorten these times, lower temperatures extend them.

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(B) Mixing

EpoFuga 708 is supplied in pre-measured packs for the required mixing amount. Mix the two components for at least 3 minutes with a mechanical mixer operating at 400–600 rpm until a homogeneous mixture is obtained.

(C) Processing

The prepared **EpoFuga 708** for filling applications is spread over the surface and the joints are filled with a plastic or hard rubber trowel. Excess material must be skimmed off diagonally. In deep joints, first wait for the material to settle and then repeat the procedure. Wait for about 15 to 30 minutes depending on ambient and surface temperatures, then clean the surface with a suitable sponge and water using circular motions. The sponge must be replaced when it becomes dirty during cleaning.

Consumption

1.92 kg/m² for a thickness of 1 mm adhesive

Cleaning of Tools

All the tools and equipment must be cleaned with water after the application. After **EpoFuga 708** is hardened, it can only be removed from the surface mechanically.

Packaging

Supplied in 5.16 kg (A+B) tin container sets

Shelf Life

12 months if stored according to manufacturer's instructions in unopened container. Opened packages have to be stored by tightly sealing the bag, and must be used in one week.

Storage

Store in an unopened, original container, under dry and cool conditions and protect against frost. For short term storage,

do not stack more than 3 pallets on top of each other and dispatch them on a first in, first out basis. Pallets should not be stacked on each other on a long term basis.

Health and Safety

During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

Contact

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DOP NO: 1201008	
2184-CPR-0450	
EpoFuga 708 (MasterCrete® TIL ER 708)	
TS EN 1504-2:2004 2.2 Nem Kontrolü, 5.1 Fiziksel Direnç, 8.2 Nem içeriğini sınırlayarak direnci artırma 2.2 Moisture control, 5.1 Physical resistance, 8.2 Increasing resistivity	
Betón için yüzey koruma sistemleri Surface protection systems for concrete	
Kaplama uygulaması Coating application	
Aşınma Direnci (Abrasion Resistance)	< 3000 mg
Su Buhan Geçirgenliği (Permeability of water vapour)	Sınıf 3 (Class 3)
Kapiler Su Emme ve Su Geçirgenliği (Capillary Absorption and Permeability to water)	w<0.1 kg/m ² .v/h
Çarpmaya Direnç (Impact resistance)	Sınıf 1 (Class 1)
Çekip koparma deneyi yoluyla yapışma dayanımı (Adhesion strength by pull-off test)	Rijit sistemler trafik yükü ile birlikte: ≥2 N/mm ² Rigid systems with traffic load
Yangına karşı tepki (Reaction to fire)	D-s2,d0
Tehlikeli maddeler (Dangerous substances)	Madde 5.3'e uygun (Comply with clause 5.3)

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