EPOXY GROUTECH FMF 155

2 COMPONENT EPOXY GROUT



EPOXY GROUTECH FMF 155 is a 2-component epoxy grout (A+B) without solvents, suitable for filling joints up to 10 mm wide. After curing it has high mechanical strength (compression, bending, adhesion) and resistance to weather, acid, alkalis and several organic solvents, water and salt water.

Advantages:

- High mechanical strength.
- Fast hardening.
- Resistance to chemical exposure.
- Resistance to weather condition.
- Resistance to sea water.
- Easy to use and excellent workability.
- Easily applied with trowel.

TECHNICAL CHARACTERISTICS

Packaging:

Plastic containers 3 kg
- Component A 2.82 kg
- Component B 0.18 kg

Application:

For interior and exterior use. Suitable for tile grouting with resistance to chemical and mechanical stress.

Color:

See EPOXY GROUTECH FMF 155 color chart.

Storage:

Store in sealed containers in a cool, dry environment for 24 months from the date of production.

Consumption:

~ 0,15 – 2,0 kg/m^2 depending on the size of the tiles and the joints.

FIELDS OF APPLICATION

Suitable for grouting tiles with resistance to chemical and mechanical stress. Applied on floors and walls on:

- Pools with water or salt water.
- Storage tanks for liquids.
- Tanks for wastewater treatment facilities, toilets.
- Houses.
- Production areas and food processing.
- Factory floors.
- Slaughterhouses butchers, kitchens etc.
- Breweries, dairies.
- Chemical and pharmaceutical industries.
- Hospitals and medical laboratories.

SUBSTRATE PREPARATION

Joints must be dry and free from dust, dirt, oil, fats and loose material and particles. If there are any layers of paints these should also be removed. Any residuals from tile adhesives must be removed.

NOT RECOMMENDED

Not recommended for use:

- At temperatures below 10°C and above 35°C.
- When the relative humidity is over 80%.
- During rain.
- At water leaks.
- When the tile adhesive is not mature.
- In places outside of the inner interior of joints.

PRECAUTIONS

Do not eat, drink and smoke when using the product. Use it only in open and well ventilated areas. Avoid inhaling the product. Protect the eyes and skin. In case of contact, wash with soap and water. In case of contact with the eyes, rinse with plenty of water. Remove contact lenses and continue to rinse. Seek immediate medical advice for the special treatment required. Wear suitable protecting clothing and gloves. The infected clothing should not be allowed out of the workplace. Wash thoroughly after hand

APPLICATION

EPOXY GROUTECH FMF 155 is provided in two components A and B at a predetermined ratio which are mixed shortly before use. Empty the entire content of component B in the component A and mix thoroughly with a low speed drill (300 rpm/min) for 5 minutes until a homogenous slurry is formed. At low temperatures the material loses its workability resulting in difficulties in mixing and application. At high temperatures the setting time of the material is accelerated.

After mixing, the product is applied on clean joints (without adhesive residues or dust) putting a rubber or flexing metal spatula, diagonally to the direction of the joints. In this way the excess material is removed. The remaining material on the surface is being emulsified by rubbing it with a damp sponge and it must be removed within 45 min (at 20°C). Using lukewarm water helps cleaning. At high temperatures the cleaning is performed faster. Removing the grout after setting is very difficult and can only be done by mechanical means, so it is necessary to clean tools immediately after use. After hardening, the material is harmless to health. At low temperatures the workability of the product decreases and the reaction time increases, whereas at high temperatures the working time is increased.

The product may be given for a slight circulation after 24 hours (at 20°C). For usage in swimming pools or application on surfaces subject to chemical stress, the product may be given for use after 4 days.

The consumption of EPOXY GROUTECH FMF 155 differs depending on the size of the tiles and the joints and can be calculated by following the link below:

https://www.thrakon.gr/calculator/

TOOLS AND MACHINE CLEANING

The cleaning of the grout after drying is quite challenging, therefore, it is necessary to clean the tools immediately after use.

COLORS EPOXY GROUTECH FMF 155					
No.	Color	No.	Color	No.	Color
701	White				
703	Beige				
704	Champagne				
705	Anemony				
707	Manhatan				
709	Perle Grey				
741	Mouse Grey				
747	Chocolate				
751	Blue				

Technical characteristics	Units	Standard	Value	
			Component A	Component B
Form			Paste	High viscosity liquid
Color			Color chart	Amber
Density	gr/cm^3		1.72	0.90
Viscosity	cP	Brookfield	200000	700
READY MIX PRODUCT A+B				
Viscosity	cP	Brookfield	160000	
Density	gr/cm^3		1.60	
Pot life	min		45	
Walking after	h		24	
Use for swimming pool after	d		4	
MECHANICAL PROPERTIES				
Resistance to oils			Excellent	
Resistance to acid			Excellent	
Resistance to alkali			Excellent	
Resistance to moisture			Excellent	
Resistance to aging			Excellent	

*Note: The measurements were taken in laboratory environment under normal temperature and relative humidity conditions (+23^{0}C, 50%). It is possible for them to vary depending on the conditions prevailing at the worksite (temperature, humidity, absorbability of the substrate).

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.
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