

## DESCRIPTION

The product **FMF 155** is a 2-components epoxy grout (A+B) without solvents, suitable for filling joints width up to 20 mm. After curing it has high mechanical strength.

(compression, bending, adhesion), resistance to weather, acid, alkalis and several organic solvents, water and salt water.

## FIELD OF APPLICATION

It is suitable for grouting tiles with resistance to chemical and mechanical stresses on floors and walls on:

- Pools with water or salt water.
- Storage tanks for liquid.
- 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

## 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.

## MIXING

**FMF 155** offered in two components A and B at a predetermined ratio which are mixed shortly before use. Empty our entire contents of B (hardener) in vessel A (resin) and mix thoroughly with a low speed drill (300 rpm./min) for 5 minutes until homogeneous paste.

At low temperature the material loses its good workability resulting in mixing and application is difficult. At high temperature accelerates the setting time of the material.

## SUBSTRATE PREPARATION

Joints must be dry and free of dust, dirt, oil, fats, free from loose material and loose particles. If there are any

layers of paints these should also be removed. Any residual from tile adhesives must be removed.

## APPLICATION

After mixing, apply the product portion wise on clean joints (without adhesive residues or dust) pulling 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 done more quickly. The removing of grout after setting is very difficult and only by mechanical means, so it is necessary to clean tools immediately after use.

After hardening the material is harmless to health. The product at low temperatures becomes less workable and the reaction time increases. Unlike that, high temperatures increase the working time.

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

**LIFE AFTER MIXING**

**SHADES**

The mixture has open time approximately 45min at 20°C

- 22 shades

**CONSUMPTION**

Tile grout consumption (Kg/m <sup>2</sup> )					
Dimensions of tile (mm x mm)	Joint thickness (mm)				
	1	2	3	5	10
<b>Mosaic tile</b>					
20x20x3	0,48	0,96	1,44	2,4	4,8
50x50x4	0,26	0,52	0,78	1,3	2,6
<b>Classic tiles</b>					
100x100x6	0,19	0,38	0,57	0,95	1,9
100x100x10	0,32	0,64	0,96	1,6	3,2
100x200x6	0,14	0,28	0,42	0,7	1,4
100x200x10	0,24	0,48	0,72	1,2	2,4
150x150x6	0,13	0,26	0,39	0,65	1,3
200x200x8	0,13	0,26	0,39	0,65	1,3
200x200x14	0,22	0,44	0,66	1,1	2,2
120x240x12	0,24	0,48	0,72	1,2	2,4
125x245x12	0,23	0,46	0,69	1,15	2,3
250x250x12	0,15	0,3	0,45	0,75	1,5
300x300x8	0,09	0,18	0,27	0,45	0,9
300x300x10	0,11	0,22	0,33	0,55	1,1
300x300x14	0,15	0,3	0,45	0,75	1,5
300x300x15	0,16	0,32	0,48	0,8	1,6
300x600x4	0,03	0,06	0,09	0,15	0,3
300x600x10	0,08	0,16	0,24	0,4	0,8
330x330x10	0,10	0,2	0,3	0,5	1
400x400x10	0,08	0,16	0,24	0,4	0,8
450x450x12	0,09	0,18	0,27	0,45	0,9
500x500x4	0,03	0,06	0,09	0,15	0,3
500x500x12	0,08	0,16	0,24	0,4	0,8
600x600x4	0,02	0,04	0,06	0,1	0,2
600x600x12	0,06	0,12	0,18	0,3	0,6
600x900x10	0,04	0,08	0,12	0,2	0,4
1000x1000x4	0,01	0,02	0,03	0,05	0,1
1000x1000x10	0,03	0,06	0,09	0,15	0,3
1200x1200x10	0,03	0,06	0,09	0,15	0,3

## FMF 155 2-COMPONENT EPOXY GROUT

RG

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EN 13888

### PACKAGING

- A component – plastic container 2,82 kg
- B component – plastic container 0,18Kg

*\*mixture (A+B) – 3 kg*

### STORAGE

The product is stored for 24 months in sealed containers and in dry and cool conditions.

### TOOLS

For the preparation of the materials the use of electric low speed mixer (300 r/min) with appropriate blades is recommended. Apply with a rubber or flexible metal spatula and clean with a sponge.

### CLEANING TOOLS AND MACHINES

The grout after hardening can be cleaned only by mechanical means or harsh chemicals. Clean the materials immediately after use..

### NOT RECOMMENDED

*Not recommended:*

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

### PRECAUTIONS

Do not eat, drink, and do not smoke when using the product. Use it only in open and well ventilated area. Avoid breathing the product. Protect eyes and skin. In case on contact, wash with soap and water. In case on contact with eyes, rinse with water for several minutes. If there are remove contact lenses, if easily.

Continue to rinse. Seek immediate medical advise because is requires special treatment. Wear suitable protecting clothing and gloves. The infected clothing should not be allowed out of the workplace. Wash thoroughly after handing. Rea the information on the label and in the technical brochure of the product before use. The MSDS of the product is available upon request for professional.

# FMF 155

## 2-COMPONENT EPOXY GROUT



TECHNICAL CHARACTERISTICS		UNITS	VALUE	
<b>COMPONENT A</b>			<b>COMPONENT A</b>	<b>COMPONENT B</b>
Form		-	High viscosity liquid	Viscous paste
Color		-	According to color chart	Amber
Density		(gr/cm <sup>3</sup> )	1,72	0,90
Viscosity (Brookfield)		(mPas)	200.000	700
			<b>READY MIX PRODUCT A+B</b>	
			15,67 : 1	
Shades			According to color chart	
Viscosity (Brookfield)		(mPas)	160.000	
Density		(gr/cm <sup>3</sup> )	1,60	
Pot life (after mixing)		(min)	45	
Walking after		(h)	24	
Use of swimming pool after (fill with water)		(days)	4	
<b>MECHANICAL PROPERTIES</b>				
Abrasion Resistance	(mm <sup>3</sup> )			≤250
Compressive Strength after dry storage	(N/mm <sup>2</sup> )			≥45
Bending Strength after dry storage	(N/mm <sup>2</sup> )			≥30
Shrinkage	(mm/m)			≤1,5
Water Absorption after 24 hours	(g)			≤0,1
Resistance to oils		-	Very good	
Resistance to acid		-	Excellent	
Resistance to alkali		-	Excellent	
Resistance to moisture		-	Excellent	
Resistance to ageing		-	Excellent	

**Note:** The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50 % and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, 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.