

## 2-komponensű epoxy ragasztó és fugázó, falra

### Leírás

A MULTIFILL-EPOXY egy 2-komponensű oldószermentes epoxy fugázó falra, illetve burkolatragasztó. Kimagasló hajlító-, tapadó-, szakító-, és nyomószilárdsági adatokkal rendelkezik. Számos betonra veszélyes savval, alkáli és korrozív elemmel, tisztítószerrel, sósvízzel szemben teszi ellenállóvá a ragasztót. Kiválóan bedolgozható, száradás előtt pedig jól takarítható vízzel. Alkalmazható 2-10 mm fugavastagságig.

### Fields of application

MULTIFILL-EPOXY WALL is applied wherever high strength to mechanical loads and resistance to chemical effects is required. It is ideally combined with special tiles for industrial use. It is suitable for fixing wall and floor tiles and for pointing wall tile joints in industrial areas like breweries, dairies, laboratories, slaughterhouses and in other sectors of food or chemical industries as well as in pools, kitchens etc. It is suitable for fixing tiles on various substrates, like concrete, mortar, metal, wood etc. It is also suitable for surfaces in direct contact with food products, according to W-347, EPA 330.5 and EPA 110.2.

### Technical data

Basis:	2-component epoxy resin
Colors:	light grey other colors by special order
Viscosity:	80.000 mPa.s
Mixing proportion:	100:10,8 by weight
Density:	1,73 kg/lit at +23°C
Pot life:	approx. 45 min at +23°C
Cleaning:	in 45 min at +23°C

Walkability:	after 16 h at +23°C
Minimum hardening temperature:	+10°C
Partial loading:	after 48 h at +23°C
Full loading:	after 7 days at + 23°C
Compressive strength: (DIN EN 196-1)	62,8 N/mm <sup>2</sup>
Flexural strength: (DIN EN 196-1)	> 35 N/mm <sup>2</sup>
Adhesive strength:	> 3 N/mm <sup>2</sup> (breaking point of concrete)

Cleaning of tools:

Tools should be cleaned thoroughly with water after any work interruption.

### Directions for use

#### 1. Substrate preparation for fixing tiles

The substrate should be dry, clean, statically sufficient, slightly rough and free of materials that prevent bonding such as dust, loose particles, oil residues etc. If needed, it should be prepared by brushing, grinding, sand blasting, pellet blasting, etc. and in case of walls, by grinding with a wire brush or similar tool.

#### 2. Mixing of the components

Components A (resin) and B (hardener) are packed in two separate containers, in pre-determined mixing proportion by weight. The whole quantity of component B is added into component A. Mixing of the 2 components should take place for approx. 5 minutes, using a low revolution mixer (300 rpm). It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener.

#### 3. Application procedure

##### Fixing of tiles

The resulting mixture should be spread on the substrate and "combed" using a notched

# MULTIFILL-EPOXY WALL



trowel in order to be uniformly applied on the whole surface.

component B is built in the container of component A.

The tiles should be fixed by pressing them in the desired position.

## Pointing of tile joints

The dry and clean joints are filled with the mixture using a rubber float in a diagonal direction to the joints, in order to fill them completely and to remove the excessive material.

## Cleaning of the tile surface

The small quantity of the epoxy grout that remains on the floor tiles surface is emulsified by being rubbed with a slightly wetted hard sponge. After the grout has set enough the emulsified material is removed by using a soft sponge. Subsequently, the tiles surface is cleaned again with a soft clean sponge. The use of lukewarm water makes cleaning easier. For even easier cleaning 10% spirit (by weight) may be added in the water used.

## Suggestions for restoring damaged or corroded tile joints filled with cement-based grouts

- The damaged joints are opened at a depth of at least 3mm using a cutting tool.
- The adhesion of MULTIFILL-EPOXY WALL to the tile sides should be ensured (revealing-cleaning of the tile sides at the depth of the opened joints).
- Any loose tiles should be re-fixed with MULTIFILL-EPOXY WALL.
- The joints should be dry, clean and free from dust and materials that prevent bonding.
- Subsequently, the joints are filled with MULTIFILL-EPOXY WALL as described previously.

## Packaging

MULTIFILL-EPOXY WALL is available in packages of 5 kg in pre-determined mixing proportion by weight. The container of

## Consumption

### Pointing of wall tiles

The consumption depends on the tile dimensions and the joint width. Indicative cases are shown below:

Tiles dimensions (in cm)	Joint width			
	2 mm	3 mm	4 mm	5 mm
2 x 2 x 0,3	1.030	1.550	-	-
4,2 x 4,2 x 0,6	990	1.470	1.970	2.680
10 x 10 x 0,6	420	620	830	1.040
10 x 10 x 0,9	620	930	1.460	1.550
15 x 15 x 0,7	320	480	640	800
15 x 15 x 1,2	550	830	1.100	1.380
20 x 20 x 0,7	240	360	480	600
20 x 30 x 0,7	200	300	400	500
24 x 12 x 0,8	340	510	680	860
24 x 11,5 x 1,5	660	1.000	1.340	1.660
24 x 11,5 x 2	900	1.330	1.780	2.210
24 x 11,5 x 2,5	1.110	1.670	2.220	2.780
30 x 30 x 0,8	180	280	370	460

(Consumptions values in g/m<sup>2</sup>)

### Fixing of tiles

Approx. 1,75 kg/m<sup>2</sup>/mm.

## Remarks

- In low temperatures the material loses its good workability and reaction times increase. On the other hand, high temperatures reduce working time.
- MULTIFILL-EPOXY WALL is completely safe for health after hardening.
- Consult the safety advice mentioned on the label before use.

## Storage

Self-life is at least 12 months in sealed containers in dry, cool conditions.

# MULTIFILL-EPOXY WALL



RESISTANCE TO CHEMICALS (according to ASTM D 543-84):

CURRING TIME OF  
SRECIMENTS: 7 DAYS

MULTIFILL-EPOXY WALL LIGHT GREY WEIGHT VARIATION

S/N	Test agent	Change per % (7 days)	Remarks	Change per % (28 days)	Remarks
1	Dense hydrochloric acid	- 0,08	Decoloring	+ 1,10	Decoloring
2	30% sulphuric acid	+ 0,54	Decoloring	+ 1,68	Decoloring
3	5% acetic acid	+ 0,67	No consequence	+ 1,25	No consequence
4	5% lactic acid	+ 0,57	Slight decoloring	+ 0,94	Slight decoloring
5	60% sodium hydroxide	+ 0,31	No consequence	+ 1,13	No consequence
6	Ethanol	+ 1,33	No consequence	+ 3,00	No consequence
7	Xylene	+ 2,12	No consequence	+ 7,88	No consequence

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FORGALMAZÁS:

5000 Szolnok, Tölgy u. 11.

Tel: 06-56-421-503, Fax: 06-56-522-104

[www.isomat.hu](http://www.isomat.hu) E-mail: [info@forinno.hu](mailto:info@forinno.hu)

Tel.: +30 2310 576 000, Fax: +30 2310 722 475

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[www.isomat.net](http://www.isomat.net) e-mail: [info@isomat.net](mailto:info@isomat.net)

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