

# microfast

## SYSTEM

Mono component smoothing paste

resin floorings



instruction manual

# microfast ... a new way of creating with resin.

Rapid Mix is the result of an evolution that originates in the past, from an experience gained in more than 30 years of passion and professionalism in this sector. The company's activity, constantly related to development of new techniques, to a high quality in research and to the efficiency of services allowed Rapid Mix to develop new instruments for the operators of the construction sector and Interior Design.

The field of resin coatings and floorings for interior design is constantly increasing thanks to the ductility, versatility and customization of the product, but the problem 'time factor' had not yet been solved. **Microfast System** has been studied and developed to solve this problem, also improving its characteristics in terms of ease of application, performances, aesthetics and reduction of application time.

- **FASTER** application times decreased by 40% compared to a normal cycle of application.
- **EASIER** MICROFAST is a ready to use product.
- **MORE RESISTANT** MICROFAST has unique mechanical resistances.
- **ECOLOGICAL** MICROFAST is a water base product and for this reason it's not dangerous for the environment; it's eco-friendly.

To facilitate the work of professionals such as Architects, Interior Designers and dealers, Rapid mix has created 43 unique colours, by mixing MICROFAST with **MICROFAST TONER**.

oday, Rapid Mix is proud to present **MICROFAST SYSTEM**, a new way of creating with resin.

## APPLICATION PHASES

1 LATEX 200

2 MICROFAST BASIC

3 MICROFAST BASIC + TONER BASIC

4 MICROFAST SLIM + TONER SLIM

5 POLYCOVER LINE / AQUA LINE



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## FEATURES MICROFAST

MICROFAST is a ready-to-use single-component overlay in paste form, based on synthetic resins mixed with additives, thickeners, minerals and quartz fillers. Suitable for all kind of supports (cement and tiled), for floors and walls, indoors and outdoors.

MICROFAST BASIC and MICROFAST SLIM can be coloured with MICROFAST TONER, and finished with epoxy or polyurethane products of Aqua Line (only for indoors) and Polycover Line (for indoors and outdoors).



granulometry 0,3 mm



granulometry 0,1 mm

## MICROFAST BASIC

MICROFAST BASIC is suitable for the substrate preparation.

The first coat is in neutral colour with the integration.

Of a fibreglass mesh and the second coloured coat.

## MICROFAST SLIM

Microfast Slim is suitable as last coloured and uniform coat which will be finished with epoxy or polyurethane products of AQUA LINE and POLYCOVER LINE.



**TOOLS**



**mixer**



**metal spatula**



**steel trowel**



**plastic trowel**



**long/short nap roller**



**sanding machine**



**vacuum cleaner**



**gloves, mask and glasses**

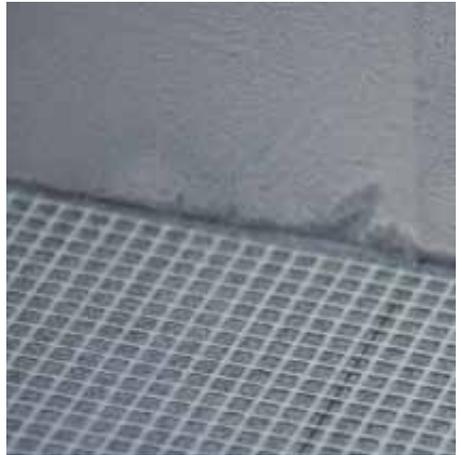
## **SURFACE PREPARATION**

The surface must be perfectly levelled , clean, free of dust, oil and incoherent parts.

### **Vertical and horizontal application**



■ Put in the first layer of MICROFAST BASIC a 60-70 g/m<sup>2</sup> fibreglass mesh, and fix it with LATEX 200, applied using a long nap roller, with the 'fresh on fresh' method. Apply the first coat of MICROFAST BASIC with a stainless steel spatula.



### **Supporti ceramici**

■ Replace or remove tiles not well anchored. Proceed with a degreasing cleaning. If there are deep joints, fill them with MICROFAST BASIC, before the application of the first coat. In order to facilitate the anchorage and the application of MICROFAST BASIC, a coat of LATEX 200 should be applied using a long nap roller. Apply the product with the 'fresh on fresh' method.



## **SURFACE PREPARATION**

### **Cement surfaces**

■ Cement surface must be completely dry and insulated with LATEX 200. On non-cohesive surfaces apply a coat of Fix20 to consolidate, uniform the absorption and facilitate the application of MICROFAST BASIC.

If there are surfaces that need to be restored or if it's necessary to level the substrate, use suitable Rapid Mix restoring mortars. If there're cracks on the surface, it's compulsory repair them using EPOREPAIR.

Do not use MICROFAST to restore missing parts or surface irregularities.



■ To facilitate the anchorage and the application of MICROFAST BASIC, a coat of LATEX 200 should be applied using a long nap roller on every surface.



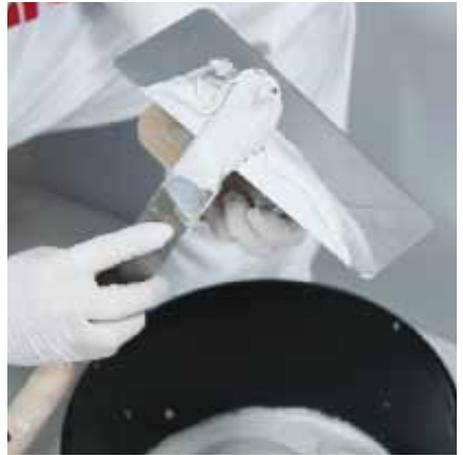
■ Apply the first coat of MICROFAST BASIC using a stainless steel spatula. Apply the product with the 'fresh on fresh method'.



## PREPARATION AND APPLICATION OF MICROFAST BASIC

### 1<sup>st</sup> COAT of Microfast Basic

■ Mix the product with a mechanical stirrer before use.



■ After fixing the mesh with LATEX 200, apply, using the 'fresh on fresh' method, the first coat of MICROFAST BASIC with a stainless steel spatula.



■ MICROFAST BASIC is a ready-to-use product; use it in the first coat in its neutral colour.



## PREPARATION AND APPLICATION OF MICROFAST BASIC

### 2<sup>st</sup> COAT of Microfast Basic

■ Preparation of the coloured product in a bucket of MICROFAST BASIC, add the corresponding TONER BASIC and mix until a uniform mixture is obtained.



■ After 4-6 hours from the first coat, apply using a stainless steel spatula, the second coat of MICROFAST BASIC.



■ According to environmental conditions, wait about 4-6 hours before lightly sandpapering the surface using a 180-240 sandpaper.



■ Remove dusts.



## REPARATION AND APPLICATION OF MICROFAST SLIM

### 3<sup>st</sup> COAT of Microfast Slim

■ Preparation of the coloured product in a bucket of MICROFAST SLIM, add the corresponding TONER SLIM and mix until a uniform mixture is obtained.



■ Apply MICROFAST SLIM with a stainless steel or plastic spatula, depending on the required texture.



■ According to environmental conditions, wait about 4-6 hours before lightly sandpapering using a 180-240 sandpaper and remove dusts.



■ After 24 hours, apply epoxy (AQUA Line) or polyurethane (POLYCOVER Line) finishing coats.



## FEATURES

### MICROFAST

### BASIC

### SLIM

|   |           |           |
|---|-----------|-----------|
| Appearance  | paste     | paste     |
| Max. dimension of aggregate                       | 0,3       | 0,1       |
| Consumption (kg/m <sup>2</sup> ) per each coat    | 0,7 - 1,0 | 0,4 - 0,7 |
| Maximum thickness per each coat                   | 1,2       | 0,7       |
| Set to light foot traffic (hours)                 | 8         | 8         |
| Footprint surface resistance (N/mm <sup>2</sup> ) | > 40      | > 40      |

**MICROFAST FEATURES ARE GUARANTEED AFTER 7 DAYS OF CURING FROM THE APPLICATION OF THE LAST COAT.**

## CONSUMPTION

Consumption of MICROFAST BASIC is 0,7-1,0 Kg/m<sup>2</sup> per coat.

Consumption of MICROFAST SLIM is 0,4- 0,7 Kg/m<sup>2</sup> per coat.

These consumption must be adapted to the substrate and to the operator's application.

## CLEANING

Tools are easily cleaned with warm water within one hour from product application. Once hardened, it can be removed mechanically.

## PACKAGING

**MICROFAST BASIC** is available in 15 kg and 5 kg buckets, and its TONER BASIC are respectively of 4 and 1,5 kg.

**MICROFAST SLIM** is available in 15 kg and 5 kg buckets, and its TONER SLIM are respectively of 4 and 1,5 kg.



## INSTRUCTIONS

- Do not use at temperatures below +5°C and above +35°C .
- Do not leave buckets under direct sunlight.
- Do not leave packages open for a long time.
- Performances of the working cycle are guaranteed only if Rapid Mix products are used.
- Do not add water or additives to avoid altering mechanical properties.
- While applying the product and during the following days do not heat rooms with heat generators.
- In case of subsequent use of the same package avoid solid residues from falling into the fresh product.
- If applied on floor heating, turn it off 48 hours before applying Microfast System. If there are expansion joints, it's absolutely necessary to respect them. (apply existing joints on the surface).

## RECOMMENDED FINISHES

### POLYCOVER 104

Bi-component , transparent, non-yellowing, aliphatic, polyurethane, and water based finishing coat. POLYCOVER 104 makes surfaces waterproof and easy to clean. It can be easily applied on horizontal or vertical surfaces, indoors and outdoors.

POLYCOVER 104 has high resistance to scratches, wear and abrasion, for a highly attractive finish. It's suitable for showers and bathrooms in general.

There are two versions of POLYCOVER 104:



**POLYCOVER 104 WL**  
gloss



**POLYCOVER 104 WO**  
satin

### APPLICATION

#### ■ Mix preparation

POLYCOVER 104 is a bi-component product. Stir the two components separately, then pour component B into component A and mix carefully until a uniform mix is obtained.

#### ■ Product application

Apply the product with a short-nap roller or a soft-bristle brush with crossing strokes.

A second coat can be applied after about 6-12 hours from the first one (time before the application of a second coat varies according to room temperature and humidity).



## RECOMMENDED FINISHES

### AQUA Line

Finishing coat containing epoxy resin and hardener in water solution, suitable for vertical and horizontal application, for indoor applications. These products considerably upgrade surface hardness and its resistance to abrasion, for a surface highly resistant to foot and light tired-vehicle traffic.

**AQUA Line is divided in 3 versions:**



**AQUASATIN**  
satin



**AQUAMATT**  
matt



**AQUAGLOSS**  
gloss

### APPLICATION

#### ■ Mix preparation

Pour component A (resin) into component B (hardener) and mix carefully for 2-3 minutes with a suitable tool until a uniform and fluid solution is obtained.

#### ■ Product application

Apply the product with a short-nap roller, being careful to spread it all over the surface. After 24 hours apply a second coat so as to have a uniform gloss finish. Do not leave stagnant areas of product on the surface.



## RECOMMENDED FINISHES

### POLYCOVER MONO

Non- yellowing single-component polyurethane coating for the protective finishing of cement and non-cement surfaces. POLYCOVER MONO increases surface hardness, the resistance to scratches and abrasion.

**Polycover Mono is available in three versions:**



**POLYCOVER MONO MATT**  
matt



**POLYCOVER MONO SATIN**  
satin



**POLYCOVER MONO GLOSS**  
gloss

### APPLICATION

#### ■ Mix preparation

POLYCOVER MONO is a ready to use product but it is advisable to mix it with a metallic spatula before use it as to homogenize the resin. If the bucket has already been opened, remove possible residues of dry product.

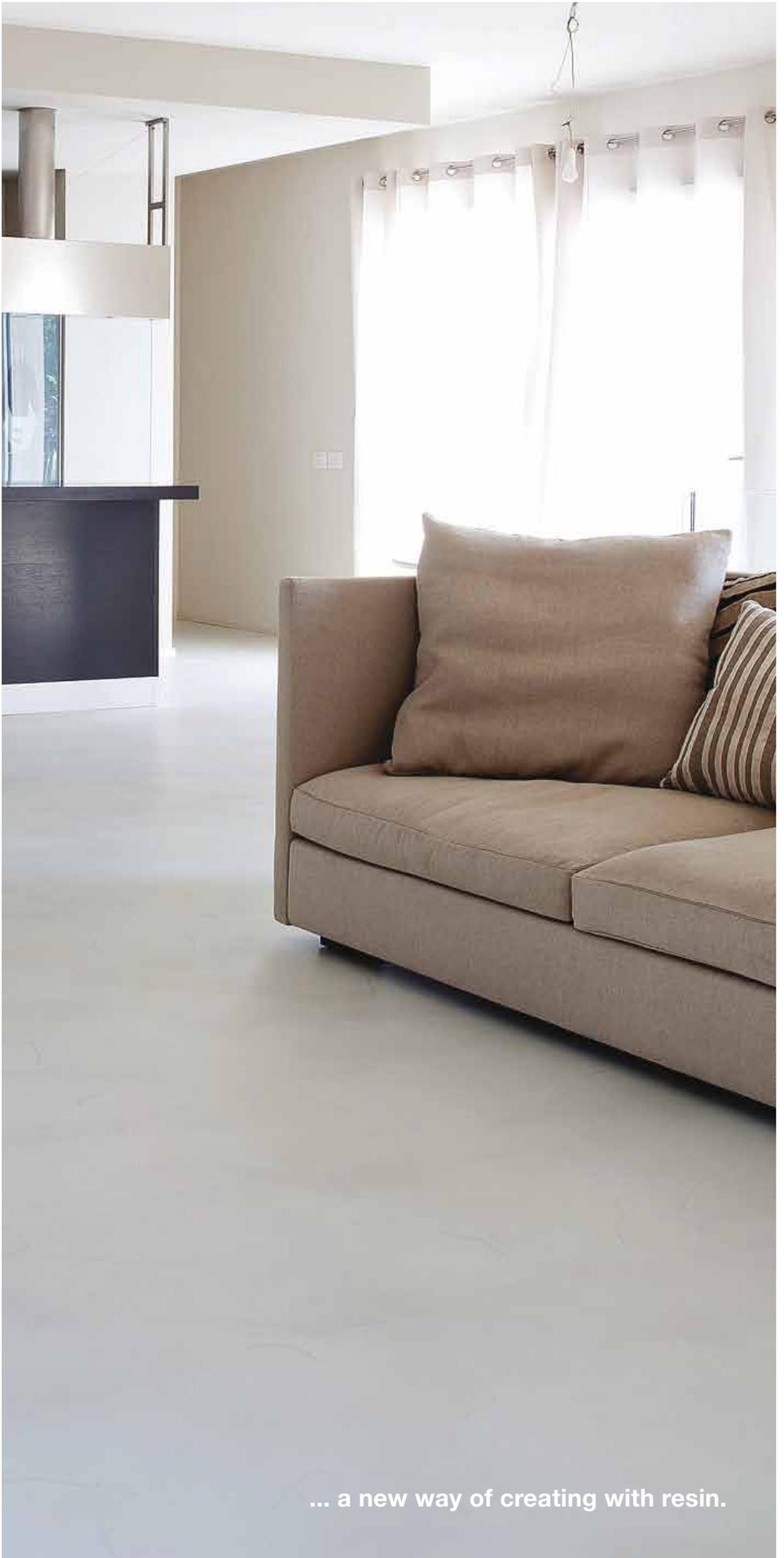


#### ■ Product application

Outline the perimeter with a brush and, at the same time, apply the varnish with a short-nap roller in order to obtain uniform finish and avoid the presence of joints or evident lines.

A second coat can be applied after about 2 hours as to obtain a uniform surface. o solo 2 ore dalla stesura della prima.





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## SYSTEM

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# rapidmix®

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