

# MICRO ART MC 02

FINE FINISH MORTAR IN THE MICRO ART SYSTEM

## 1. DESCRIPTION

**MICRO ART MC 02** is a cement-based hydraulic mortar modified with organic and aerial binders. It also has special additives that guarantee resistance to water and cracking. It is a two-component product, **MICRO ART MC 02** Component A and **MICRO ART MC 02** Component B.

**MICRO ART MC 02** is available in various colours (see catalogue).

## 2. FIELD OF USE

**MICRO ART MC 02** is an integral part of the **MICRO ART** decorative system, corresponding to the fine finish.

**MICRO ART MC 02** is applied on indoors and outdoors floors and walls prepared with **MICRO ART MC 01**, when a smooth finish is to be obtained in the **MICRO ART** system.

Only with **MICRO ART MC 02** may “nuances” be achieved as well as the “burned” effect, characteristic in this innovative micro cement system.

## 3. PRODUCT CHARACTERISTICS

GENERAL CHARACTERISTICS	VALUE
Colours	Available by catalogue
Final aspect	Matt
Average theoretical consumption <sup>(1)</sup>	0,6 kg/m <sup>2</sup> /coat
Density	1,15 ± 0,001 kg/m <sup>3</sup>
Drying time between coats	3 h <sup>(2)</sup>
Mixture pot-life (Component A+ Component B)	10 °C – 5 h 20 °C – 4 h 30 °C – 3 h
Volatile Organic Compounds Directive 2004/42/CE DL No. 181/2006	EU limit value for this product (cat A/j):140 g/l 2010; Component A contains at most < 1 g/l and component B contains at most 30 g/

<sup>(1)</sup> The values are theoretical and do not include additional consumptions as a consequence of porosity of the Substrate, surface profile, variation in levelling, etc.

<sup>(2)</sup> These values require constant conditions of air humidity (max. 70%) and temperature (23°C). Application of the second coat on the first semi-dry one.

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## 4. APPLICATION

### a) Substrate preparation

*MICRO ART MC 02* is applied on surfaces prepared with *MICRO ART MC 01*. *MICRO ART MC 01* technical file should be consulted for more details on the previous application stages.

So as to apply *MICRO ART MC 02*, the surface of *MICRO ART MC 01* shall have been sanded and cleaned. The latter should be consistent, waiting for a 4-hour minimum curing time for *MICRO ART MC 02* application.

### b) Mortar preparation

Stir component B well. Pour all the contents into the bucket. Gradually add all of component A while mixing the components with a low-speed electric mixer. Pause the mixture for about two minutes and re-mix until a smooth, lump-free mixture is obtained.

Mixing of components A and B should be carried out in its entirety, and packaging should not be divided by several kneadings.

### c) Application

*MICRO ART MC 02* should be applied by using a trowel in at least two layers, with thicknesses of not more than 0,5 mm each.

To obtain a quality finish, each layer should be worked as if it were the final one, eliminating burrs and sanding between layers to eliminate any irregularities. At this stage, a worn iron may be used, about 3 hours after the layer application (air humidity conditions <70% and temperature 20° C). Finally, dust extraction and surface cleaning should be carried out.

*MICRO ART MC 02* final layer should be applied on the previous one while still fresh but sufficiently hardened to enable the sanding. If it is too dry, the last two layers should be repeated so as to ensure this requirement.

The type of tool and the way of working determine the appearance of the coating, whereby the use of a flexible trowel allows for a smoother aspect and a more rigid trowel shall make the tool's mark more evident or the traditional "burned" effect. The marks of "burned" effect are clearer in lighter colours.

So as to obtain a more natural aspect, a spatula should be used in all directions, in wavy lines so as to make the application sequence imperceptible. If any anomalies arise in the application of the last layer, patches are not recommended. In such a situation, you should re-sand the entire surface, clean and reapply a new layer of *MICRO ART MC 02*.

### d) Surface protectors

The application of a surface protector is mandatory after execution of *MICRO ART MC 02*. For its application, the system should be dry, with a cure time of 24 hours to 7 days.

*MICRO ART MC 02* is suitable for receiving surface protectors of the type: *MICRO ART AD 45* glossy acrylic varnish; *MICRO ART AD 46* satin acrylic varnish; *MICRO ART AD 47* concentrated wax or *MICRO ART AD 50* polyurethane varnish.

Prior to application of *MICRO ART AD 45* or *MICRO ART AD 46* finishes, *MICRO ART AD 91* sealant should always be applied.

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## e) Restrictions

**MICRO ART MC 02** should not be applied at room and Substrate temperatures below 10 °C and above 30 °C and air relative humidity of more than 70%.

In hot and/or dry weather or when Substrates are directly exposed to sun rays, use shading mechanisms, Substrate should be previously wetted and application should only be started when it is dry.

If temperature is below 10 °C and relative humidity > 70 %, the curing of **MICRO ART MC 02** is slower, increasing drying times.

Application in the presence of strong winds may cause cracking of the system. In such case, walls should be protected so as to minimize the effects of wind action.

In indoor applications, areas should be ventilated.

Because it is a high-performance architectural finish, application of this coating should be done only by specialized teams.

Because it is a coating without joints, the work should be coordinated to avoid interruptions. It shall be necessary to determine where to start the work (at the point opposite the exit), and also to calculate the number of applicators required for each work front.

Ensure that during application the coating is not dirty or stained, always wearing clean footwear as well as avoiding water, sweat or any other type of liquid that may stain the surface.

## f) Complementary Advices

- No mortar that has exceeded its open time should be applied. Do not soften mortars by adding water or any other component after preparation;
- Component A and component B of **MICRO ART MC 02** may not under any circumstances be used separately;
- Do not add any other products to the mortar. **MICRO ART MC 02** should be applied as it is shown in its original packaging.

## 5. PACKAGING AND VALIDITY

### Packaging

3 and 12 kg buckets, with the corresponding component A and component B.

### Validity

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

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## 6. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- Irritating to eyes, respiratory system and skin;
- May cause sensitization in contact with skin;
- Do not breathe dust;
- Avoid contact with skin and eyes;
- If it comes in contact with eyes, rinse immediately and thoroughly with water and seek a specialist advice;
- Use protective clothing and appropriate gloves;
- Keep out of children's reach.

*Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.*

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