

**iCem AQUA  
MICROCONCRETE  
Rustic Microcement**

**TECHNICAL DATA  
SHEET**

**RUSTIC FINISH Micromineral. Ready to use and 100% WATERPROOF**

**1/2 mm thick finishes**

**Finished with 0.1 mm thickness**

**Continuous coating without joints**

**Great grip on any support**

**Abrasion high resistance**

**Ease of use, no need to mix products**

**Application on floors and walls**

**Interiors and outside**

**CIMENTART®**  
MICROCEMENT



**INNOVATE SME**

Valid until Nov 16th 2020



**Commitment to the environment**

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## **iCem AQUA MICROCONCRETE CIMENTART – TECHNICAL DATA SHEET** Innovation Cement

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**iCem AQUA MICROCONCRETE CIMENTART** is a thin mineral micro mortar composed of minerals, polymers, aggregates, resins, dyes and special waterproof additives, prepared and ready to use.

Being a fine product, its use is for the finishing of any type of support.

Thanks to the evolution of the nanotechnology industry \* (def: field of science dedicated to the control and manipulation of matter on a scale smaller than a micrometer, atoms and molecules (nano-materials), and to our R + D Department , and tests based on our experience for more than 8 years, **CIMENTART MICROCEMENT SL** has managed to develop the first and only WATERPROOF Microcement on the market, special for showers, ready to use and with a high quality.

With **iCem AQUA MICROCONCRETE CIMENTART**, will achieve a FINISHING effect of natural RUSTIC CEMENT or NATURAL CONCRETE FINISHING. It is 100% waterproof, with a great hardness, although it has no experience and no need for machines, tools or mixing containers, with a single product and in a single container.

**With iCem AQUA MICROCONCRETE CIMENTART, we solve the problem of the moisture stain, which appears by scratches or bumps or in drains joints or between the joint of Microcement with tile walls.**

### **CHARACTERISTICS AND ADVANTAGES**

**iCem AQUA MICROCONCRETE CIMENTART** it is a Microcement ready to use, 100% waterproof, with a hardness and performance equal to or superior to any microcement.

- Great resistance to wear and abrasion.
- Application on any smooth support, whether an absorbent support or not.
- Quick application and with effects of natural cement in 0.1 mm.
- Easy application, you do not need to have experience.

One of the main features of **iCem AQUA MICROCONCRETE CIMENTART** is its simplicity, finishing the supports in thin layers, without having to use 2 products as the Microcement has traditionally been done: Microcement and Mixing Resin.

**iCem AQUA MICROCONCRETE CIMENTART** is all that in a single container and 100% waterproof.



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The main advantages of **iCem AQUA MICROCONCRETE CIMENTART** are:

- It does not need to be mixed. Product ready to use.
- 100% waterproof.
- A single container with a hardness comparable to any microcement on the market.
- Easy application, no need for experience.
- Excellent adhesion on any support.
- Great elasticity, which allows it to resist large tensions or building movements.
- Fast and clean jobs.
- Compared with other microcements, 90% less dust when sanding.
- Possibility that it is pigmented with any universal pigment and in a tintometric machine.
- Application on interior and exterior, in walls and floors.
- Possibility of making an extensive range of colors.

### TECHNICAL DATA

<b>Presentation</b>	<b>Ready to use white paste.</b>
<b>Granulometry</b>	<b>0.2</b>
<b>Clasification UNE EN 12004:2008</b>	<b>D2</b>
<b>Density</b>	<b>2 kg/dm3</b>
<b>Adherence to concrete</b>	<b>A 28 d : superior to 16 kg/cm2</b>
<b>Mechanical Resistance</b>	<b>Compression at 28 d superior to 55 kg/cm2</b>
<b>Flexibility</b>	<b>&gt;08/N mm2</b>
<b>Drying time</b>	<b>2 – 3 hours to 20°C / 60% Relative Humidity</b>
<b>Base</b>	<b>WATER</b>
<b>Efficiency</b>	<b>0.5 kg / m2 approx / 0.1 mm thickness</b>
<b>Application Temperature</b>	<b>+ 5° °C / + 35°C</b>
<b>Mixing Relation</b>	<b>Product Ready-to-Use. Add maximum a 5% of water</b>
<b>Combustion point</b>	<b>Not flammable</b>
<b>Packaging Format</b>	<b>5 and 20 kg Buckets</b>
<b>Slipiness</b>	<b>C2</b>
<b>Disolvents</b>	<b>Exempt</b>
<b>Epoxy</b>	<b>Exempt</b>
<b>Resistance to bacteria development</b>	<b>99%</b>
<b>Shipping</b>	<b>Not dangerous for transportation</b>
<b>Storing</b>	<b>Not dangerous for storing</b>



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### **COLOR CHART Icem AQUA MICROCONCRETE CIMENTART**

**iCem AQUA MICROCONCRETE CIMENTART** is available in 12 different standard colors.

### **SURFACES**

The supports where **iCem AQUA MICROCONCRETE CIMENTART** is applied must be smooth, resistant and clean, free of dust, grease and any material that hinders adherence.

For a correct application of **iCem AQUA MICROCONCRETE CIMENTART**, it is necessary to have a hard support, without movement or expansion. If the supports are in poor condition, or with joints, such as tiles, you have to repair the imperfect areas and apply two coats of **iCem AQUA BASE CIMENTART**.

**iCem AQUA MICROCONCRETE CIMENTART** can be applied on interior and exterior walls and floors and on many supports such as:

- **Icem AQUA BASE** o traditional Base Microcement.
- Paint.
- Cement and plaster.
- Wood and Plasterboard.
- Tile, ceramic and porcelain, marble and granite (previously regularized with **iCem AQUA BASE CIMENTART**).

### **SUPPORTS PREPARATION**

If the support where you are going to carry out the application the **iCem AQUA MICROCONCRETE CIMENTART** is not regularized (or in the case of ceramic, porcelain, marble or tile walls), which have 0.1 mm joints, you need to apply a **PRIMER CIMENTART** layer, to create adhesion, and regularize the supports with the necessary layers of **iCem AQUA BASE CIMENTART**, until it has a completely smooth and uniform support. Then proceed to the application of **iCem AQUA MICROCONCRETE CIMENTART**.

If the application is going to be done on completely smooth supports, directly apply a layer of **PRIMER CIMENTART** and start the application with **iCem AQUA MICROCONCRETE CIMENTART**.



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### **INSTRUCTIONS FOR USE**

Open the container and mix very well with a spatula or mixer for paints, until the paste is completely homogeneous. Apply 2 to 3 coats, as needed, with a maximum thickness of 0,5 mm each layer, until obtaining the desired continuous finish.

The thickness of 0.1 mm is achieved with the steel trowel inclined at 45 ° and exerting a certain pressure when applying the product. This product should never be applied in thicker 0.5 mm layers.

On very dry substrates, the surface where we will apply **iCem AQUA MICROCONCRETE CIMENTART**, can be lightly moistened with water with the help of a diffuser spray, without flooding the areas. This process can also be done between layers.

All layers must be applied with short, semicircular movements.

If you want to get an effect or veins similar to marble, leave some imperfection in the first layer and let it dry completely. Once you apply the second layer, exert a certain pressure on the steel trowel when you are making the application.

If you want to leave a more clean and homogeneous finish, sand very well between coats with 100 to 150 grit sandpaper and clean the powder well before applying the next coat.

The thickness of these layers should never be more than 0.5 mm thick.

### **SEAL THE iCem AQUA MICROCONCRETE CIMENTART**

**iCem AQUA MICROCONCRETE CIMENTART** is a waterproof product, but that does not mean that it can not be stained when you walk on, with detergents, lime, etc. if it is not protected.

Remove the sanding dust in the last layer, with a vacuum cleaner.

Apply a layer of **SEALER CIMENTART** over the entire surface of **iCem AQUA MICROCONCRETE CIMENTART**, with a microfiber roller, covering the entire surface and waiting for to dry completely.



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Once the **SEALER CIMENTART** has been applied and completely dry, to achieve total waterproofing and protection, apply, using a micro-fiber roller, a layer of **CIMENTART Bi-component Polyurethane**, covering the whole surface well, with great attention to corners or areas that can receive direct water, as in the case of shower drains or sink.

Once this layer is dry, always apply a second layer of **CIMENTART Bi-component Polyurethane** in the same way.

### CAUTIONS

If you need to dilute the product with water to obtain a more fluid concrete for application, do not exceed a maximum of 5% dissolution.

Never apply the product on substrates that are wet, damp or have capillary moisture. Do not apply the product if there is humidity in the environment of more than 50%.

Do not apply in layers greater than 0.1 mm.

Do not apply with risk of frost or rainy weather. Do not apply at temperatures below 5°C or above 35°C.

Never leave the last layer in half, once begun continue until its completion without stoppages, so that you do not see imperfections or joints. If the surface is very large, the application must be made by several people at the same time.

Protect furniture, chairs or tables with protective felts.

The cleaning of the tool used is done with water.

Never drag furniture or other objects and protect the pavement if you are going to do others construction work on the pavement.

Merchandise considered not dangerous for transport. Aqueous base, free of solvents, alcohols or flammable products.



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Use the appropriate PPE, contains cement, irritates the eyes. Do not put within the reach of children, avoid contact with eyes and skin through the appropriate PPE. In case of contact with the eyes, rinse thoroughly with water and consult your doctor in case of subsequent discomfort.

Once the application is finished, let it dry completely and allow at least 4 days to elapse, before applying any other coating and 7 days before moistening or wetting with water.

### **EFFICIENCY**

The efficiency of the product is approximately: 0.5 kg / m<sup>2</sup> / 1 layer of 0.5 mm.

### **RECIPIENTS SIZE**

Recipients of 5 kg and 20 kg.

### **STORING**

12 months, in a dry place protected from bad weather in its original recipient hermetically closed.

CIMENTART MICROCEMENT SL. Our systems are based on the research carried out in our laboratories and years of practical experience.

We guarantee that our products are manufactured, packaged and labeled under the guidelines of ISO 9001: 2008.

We decline any responsibility if the result is affected by factors beyond our control.

The end user must verify that the product supplied meets the needs for which it is going to be used, and must carry out a preliminary test in each case that is necessary.

Revision date: 13-09-18.

The present edition of this technical sheet cancels the previous ones.

