

**iCem CIMENTART - Innovation Cement**

**iCem**  
Ready-to-Use Ultra-thin Microcement

**TECHNICAL SHEET**

Decorative coating  
Ready-to-Use

Microcement product  
with high level of hardness

High level of adherence  
over any type of surface

High level of  
resistance to abrasion

Easy to use and apply,  
No need to mix  
several products

Can be applied in  
floors and walls

Interior and exterior

**CIMENTART®**  
MICROCEMENT



**Commitment with the environment**

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## iCem CIMENTART - Innovation Cement

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**iCem CIMENTART** is a mineral mortar made out of cements, polymers, micronized minerals, resins, pigments and special additives, **ready-to-use**.

It can be used in interior or exterior, in vertical (walls) and horizontal (floors) surfaces.

Thanks to the evolution of nano-technology (nano-technology: field of science dedicated to the control or manipulation of the materials at a scale inferior to a micrometer, meaning atoms and molecules (nano-materials), and to our department of I + R (Investigation and Research), and to clinical tests from more than 1 year, **CIMENTART MICROCEMENT SL** as achieved its first development of a ULTRA-THIN microcement Ready-to-Use of a higher quality.

With **iCem CIMENTART** you will achieve a microcement finishing very aesthetical and with a hardness and resistance to abrasion superior to any other traditional microcement. Due to its easiness of application it does not require a highly trained installer. It also does not require mixing tools or recipients because **iCem CIMENTART** comes ready-to-use in one single recipient.

### **FEATURES AND ADVANTAGES**

The main feature of **iCem CIMENTART** is its simplicity, that accomplishes continuous finishing's of a high level of beauty, with a polished cement look or traditional microcement look, without the need of using and mixing several different products (microcement powder, mixing resin or water and pigments).

**iCem CIMENTART** is all those products ready-to-use in one single recipient.

The main features of **iCem CIMENTART** is:

- Ready-to-Use ultra-thin microcement in one single recipient. Its hardness, resistance and efficiency is superior to any other microcement.
- Can be applied over any completely leveled surface.
- Easy to use. Requires little or no training background in application. Mixings free.
- Excellent adherence to any type of surface.
- High elasticity and good resistance to structural building tensions or movements.

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- Fast and clean works.
- 12 colors at your choice.

### TECHNICAL DATA

<b>Type of finishing</b>	<b>Smooth with marble effects</b>
<b>Density</b>	<b>1.8 kg/dm<sup>3</sup></b>
<b>Adherence to concrete</b>	<b>At 28 d : superior to 21 kg/cm<sup>2</sup></b>
<b>Mechanical Resistance</b>	<b>Compression at 28 d superior to 45 kg/cm<sup>2</sup></b>
<b>Flexion</b>	<b>&gt;0.8/N mm<sup>2</sup></b>
<b>Drying Time</b>	<b>2 – 3 hours at 20°C / 60% Relative Humidity</b>
<b>Base</b>	<b>Water</b>
<b>Efficiency</b>	<b>350 gr / 1 m<sup>2</sup>/ 0,1 mm layer</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>Presentation</b>	<b>Recipients of 5 kg or 20 kg</b>
<b>Solvents</b>	<b>Exempt</b>
<b>Epoxies</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>

### SURFACES

The surfaces where you apply **iCem CIMENTART** must be strong, clean, stable, and free from dust, oil or any other anti-adherence substance.

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For a correct application of **iCem CIMENTART** is necessary to have a surface completely hard, with no movement or dilatations. If exists on the surface tiles or painting in bad shape it is necessary to repair the damaged area before proceed with the application of **iCem CIMENTART**.

If it is needed to level the surface or repair a wall or floor with tiles, do the repair or leveling with any **Microcements Base CIMENTART**, before proceed with the application **iCem CIMENTART**.

**iCem CIMENTART** can be applied in walls, floors or ceiling, in interior spaces and outdoor spaces, over a large number of surfaces as:

- Cement and plaster.
- Wood.
- Plaster Boards (Pladur).
- Tiles, porcelain and similar.
- Marble and granite.
- Plastic painting, etc.
- All **Microcements Base CIMENTART**.

### USE INSTRUCCIONS

Apply one layer of **Primer CIMENTART** over the surface, in a homogeneous way, using a varnish roller or brush, paying special attention to areas that have joints so they are fully covered, and wait till it dries completely.

If you are going to apply **iCem CIMENTART** over **Base Microcement**, you don't need to apply the **Primer CIMENTART**.

Open the recipient of **iCem CIMENTART** and mix well with a spatula till it gets homogeneous. Apply with a steel trowel 1 layer with maximum 0.1 mm thickness (the thickness of a paper sheet), doing short and semi-circular movements. Wait till it dries completely.

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The thickness of 0.1 mm is achieved with a steel trowel at 45 ° and exerting a certain pressure when applying the product.

On very dry substrates, the surface where we will apply **iCem 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.

Sand with grip 100- 120. Clean the resulting dust.

Apply a second layer with maximum 0.1 mm thickness, like the first one. Wait till it dries completely.

Sand with grip 100- 120. Clean the resulting dust.

To obtain a good aesthetic and smooth result and a good planimetry, all layers must be sanded

### **SEALED OF ICEM CIMENTART**

Vacuum well the sanding dust.

Apply 1 layer of **CIMENTART Sealer**, with a varnish roller, all over the surface where you have applied **iCem** with a micro-fiber or short-haired roller, covering the entire surface and waiting to dry completely.

To achieve a good protection and a complete waterproofing, apply (with a varnish roller) one layer of **Bi-component Polyurethane CIMENTART**. **To prepare it you mix 5 parts of Component A with one part of Component B**. Cover all the surface, paying special attention to corners or areas that are in direct contact with water like the water drains of showers, sinks or exterior areas.

Once it is fully dry this first layer, you apply a second layer of **Bi-component Polyurethane CIMENTART** the same way as the first. In surfaces with direct contact with water apply a third layer and let it dry completely.

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## COLOR CHART iCem CIMENTART

iCem CIMENTART is presented in 12 natural color for your choice:



*NACAR*



*SEDA*



*AGUAMARENA*



*CENIZA*



*ARENA*



*CELESTE*



*PLATINO*



*CAQUI*



*ORQUIDEA*



*BASALTO*



*NUEZ*



*PAPAYA*

## PRECAUTIONS

It is very important that the support is completely smooth, to apply **iCem**.

Do not apply in layers greater than 0.1 mm.

In very dry surfaces, you can humidify slightly the surface with water using a pulverizer, without soaking the surface. Then apply the **iCem**. This procedure can be repeated between layers.

The application of all layers should be done doing short and semi-circular movements to obtain shadows or marbling effects.

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Each layer should become uniform and smooth.

If you need to dilute the iCem product to obtain a more fluid product to apply you can add water at a maximum of 5% dilution. Then mix till you obtain a homogenous product.

Do not drag heavy objects over a floor covered with iCem. In case that other construction jobs need to be done, protect very well the floor against any possible aggressions.

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%.

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.

Once the application is finished, let it dry completely. Leave 7 days before moistening with water.

Furniture should never be placed where the legs finish is: pointed, rounded, with rigid plastic protectors, etc ... the entire weight is concentrated in a single point and can mark the micro-cement.

The legs of chairs, tables or furniture must have a wide and straight termination and must always have protective felts placed. All rigid plastic leg protectors should ALWAYS be removed. A protective felt must be placed.

Completely avoid the dragging of furniture, appliances or other objects or tools on a Microcement pavement.

The cleaning of the tool used is done with water.

In areas that receive water, such as showers, kitchen or bathroom countertops, bathtubs, sinks, outdoor terraces, etc. make sure the slopes are well made and there are no puddles or areas where the water lies.

CIMENTART offers the AQUA line (100% waterproof ready-to-use microcement) a guarantee of total impermeability in areas that receive water (such as those described in the paragraph above). Traditional bi-component microcement or iCem is not recommended in these areas.



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

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.

### **EFFICIENCY**

The efficiency is: 350 g / 1 m<sup>2</sup> / 1 layer of 0.1 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 in the research done at our laboratories and the many years of practical experience we have.

We decline any responsibility if the end result is affected by external factors not under our control.

The customer must check that the product supplied is adequate to the needs that is going to be used for, doing a test in any case that may be necessary.

*Date of Review: 22-04-20.*

*The present document cancels the earlier editions.*



**RESPONSIBLE CARE**  
El Compromiso de la Industria Química  
con el Desarrollo Sostenible

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