

**iCem AQUA BASE
CIMENTART**

**TECHNICAL DATA
SHEET**

**Ready to use micro-mineral
100% WATERPROOF**

Regularization of supports in 1 mm layers

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

**Interior and
exterior**

CIMENTART®
MICROCEMENT



INNOVATE SME

Valid until Nov 16th 2020



Commitment to the environment

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iCem AQUA BASE CIMENTART – TECHNICAL DATA SHEET Innovation Cement

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

It must be applied in layers of 1 mm maximum. It is used for the PREPARATION of any type of support, covering of joints in wall or floor tiles, for the subsequent application of fine Microcement, both indoors and outdoors.

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 BASE CIMENTART** you will get a preparation of Microcement, 100% waterproof, with a great hardness, although you do not have any experience and without the need of machines, tools or mixing containers, with a single product, perfect for the later termination with **iCem AQUA MICRO CONCRETE CimentArt** or **iCem AQUA FINE, ready to use Microcements 100% waterproof.**

With iCem AQUA BASE 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

One of the main features of **iCem AQUA BASE CIMENTART** is its simplicity, getting regularized and / or prepare different supports, without having to use 2 products as the Microcement has traditionally been done: Microcement and Mixing Resin.

iCem AQUA BASE CIMENTART is all that in a single container and 100% waterproof. The main advantages of **iCem AQUA BASE 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.



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- Easy application, no need for experience.
- Excellent adhesion on any support.
- Great elasticity, which allows it to resist large tensions or building movements.
- Great covering power of the fiberglass mesh.
- Ideal product for preparing supports and covering tile joints, tile, stoneware, porcelain, etc.
- 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 walls and floors.
- Possibility of making an extensive range of colors.

TECHNICAL DATA

Presentation	Ready to use white paste.
Granulometry	0.4
Clasification UNE EN 12004:2008	D2
Density	2.4 g/dm3
Adherence to concrete	A 28 d : superior to 19 kg/cm2
Mechanical Resistance	Compression at 28 d superior to 75 kg/cm2
Flexibility	>08/N mm2
Drying time	4 – 6 hours to 20°C / 60% Relative Humidity
Base	WATER
Output	1 kg m2 aprox / 1 mm density
Application Temperature	+ 5° C / + 35°C
Mixing Relation	Product Ready-to-Use. Add maximum a 5% of water
Combustion point	Not flammable
Packaging Format	3 kg Buckets
Slipiness	C3
Disolvents	Exempt
Epoxy	Exempt
Resistance to bacteria development	99%
Shipping	Not dangerous for transportation
Storing	Not dangerous for storing



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SURFACES

The supports where **iCem AQUA BASE CIMENTART** is applied should be resistant and clean, stable, free of dust, grease and any material that hinders its adherence.

For a correct application of **iCem AQUA BASE CIMENTART**, it is necessary to have a completely rigid support, without movement or expansion. Never apply on a bad shape surface such as broken tiles or bad paint.

State you have to clean the defective area and wait for it to dry completely before starting the application of **iCem AQUA BASE CIMENTART**.

iCem AQUA BASE CIMENTART can be applied on walls and floors, indoors and outdoors, on an infinity of supports such as:

- Paint.
- Cement and plaster.
- Wood and Plasterboard.
- Tile, ceramic and porcelain.
- Marble and granite.

INSTRUCTIONS FOR USE

On supports that have joints of more than 2 mm, and once the application of the **PRIMER CIMENTART PLUS** has been completed, first cover with a spatula all the joints with **iCem AQUA BASE CIMENTART**.

If the joint is thin, spread the fiberglass mesh and apply a layer of **PRIMER CIMENTART PLUS** on each support, in a homogeneous way, with a micro fiber roller or brush and wait for it to dry completely, with special attention in areas that have joints so they are well covered.

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 1 mm each layer until obtaining the desired continuous finish.

The thickness of 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 1 mm layers.



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

The application of all the layers must be done with short and semicircular movements leaving the entire surface well covered and leaving less imperfections possible. Allow to dry completely and apply the next layer until it has a completely regularized support, do not see the fiberglass mesh or tiles joints.

It is recommended to sand EACH layer applied with 40 or 60 grit sandpaper. After each sanding process, thoroughly vacuum the dust and / or remove it with a slightly moistened cloth.

Once prepared the support, you can continue with the application of the rest of the process, with **iCem AQUA FINE CIMENTART**, fine Microcement ready to use, 100% waterproof, finished with 1 layer of sealant and two of polyurethane varnish for easy cleaning.

PRECAUTIONS

If you need to dilute the product with water to obtain a more fluid concrete for the 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 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 no cuts 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.



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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.

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 of the product is approximately: 1 kg / m² / 1 layer of 1 mm.

RECIPIENTS SIZE

Recipients of 10 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.

