



**INNOVACHEMICAL**  
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## **TECHNICAL DATA SHEET**

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Base Microcement 100%  
Waterproof INNOVA

## Base Microcement 100% Waterproof INNOVA

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BASE MICROCEMENT 100% WATERPROOF 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.

With BASE MICROCEMENT 100% WATERPROOF 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 MICROCONCRETE or FINE, ready to use Microcements 100% waterproof.

With BASE MICROCEMENT 100% WATERPROOF, 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 BASE MICROCEMENT 100% WATERPROOF 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.

BASE MICROCEMENT 100% WATERPROOF is all that in a single container and 100% waterproof.

The main advantages of BASE MICROCEMENT 100% WATERPROOF 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.

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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	<b>Ready to use white paste.</b>
Granulometry	<b>0.4</b>
Clasification UNE EN 12004:2008	<b>D2</b>
Density	<b>2 g/dm<sup>3</sup></b>
Adherence to concrete	<b>A 28 d : superior to 19 kg/cm<sup>2</sup></b>
Mechanical Resistance	<b>Compression at 28 d superior to 75 kg/cm<sup>2</sup></b>
Flexibility	<b>&gt;08/N mm<sup>2</sup></b>
Drying time	<b>4 – 6 hours to 20°C / 60% Relative Humidity</b>
Base	<b>Water</b>
Output	<b>1 kg m<sup>2</sup> aprox / 1 mm density</b>
Application Temperature	<b>+ 5° °C / + 35°C</b>
Mixing Relation	<b>Product Ready-to-Use. Add maximum a 5% of water</b>

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Combustion point	<b>Not flammable</b>
Packaging Format	<b>5 and 20 kg Buckets</b>
Slipiness	<b>C3</b>
Disolvents	<b>Exempt</b>
Epoxy	<b>Exempt</b>
Resistance to bacteria development	<b>99%</b>
Shipping	<b>Not dangerous for transportation</b>
Storing	<b>Not dangerous for storing</b>

### Surfaces

The supports where BASE MICROCEMENT 100% WATERPROOF is applied should be resistant and clean, stable, free of dust, grease and any material that hinders its adherence.

For a correct application of BASE MICROCEMENT 100% WATERPROOF , 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 BASE MICROCEMENT 100% WATERPROOF.

BASE MICROCEMENT 100% WATERPROOF can be applied on walls and floors, indoors and outdoors, on an infinity of supports such as:

- Paint
- Cement and plaster
- Wood and Plasterboard

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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 INNOVA has been completed, first cover with a spatula all the joints with BASE MICROCEMENT 100% WATERPROOF.

If the joint is thin, spread the fiberglass mesh and apply a layer of PRIMER INNOVA 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.

On very dry substrates, the surface where we will apply BASE MICROCEMENT 100% WATERPROOF 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.

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Once prepared the support, you can continue with the application of the rest of the process, with FINE or MICROCONCRETE, fines Microcement ready to use, 100% waterproof, finished with 1 layer of STD SEALER INNOVA and two coat of POLYURETHANE VARNISH INNOVA 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.

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.

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.

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### Efficiency

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

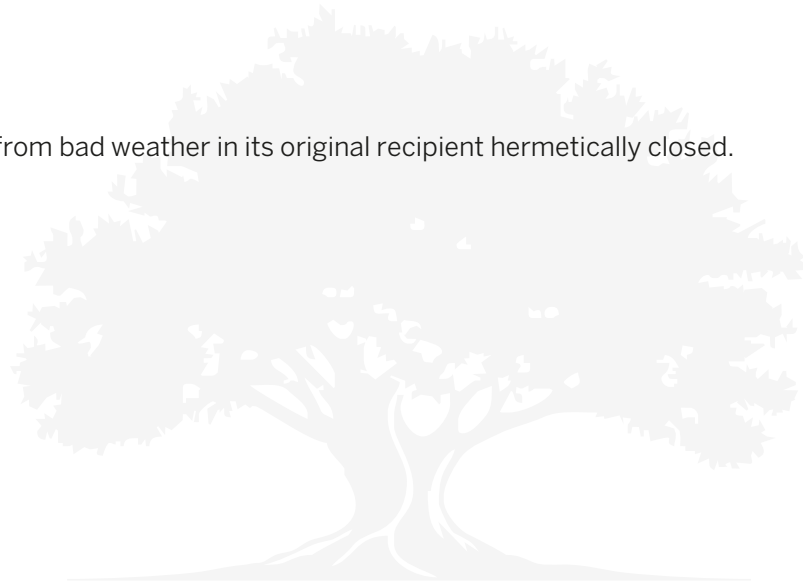
### Packaging

5 and 20 kg buckets.

Pallets with 660 kg.

### Storing

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



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The data in this technical sheet are based on trials and tests made by Innova Chemical SL and by the information supplied by our raw material suppliers.

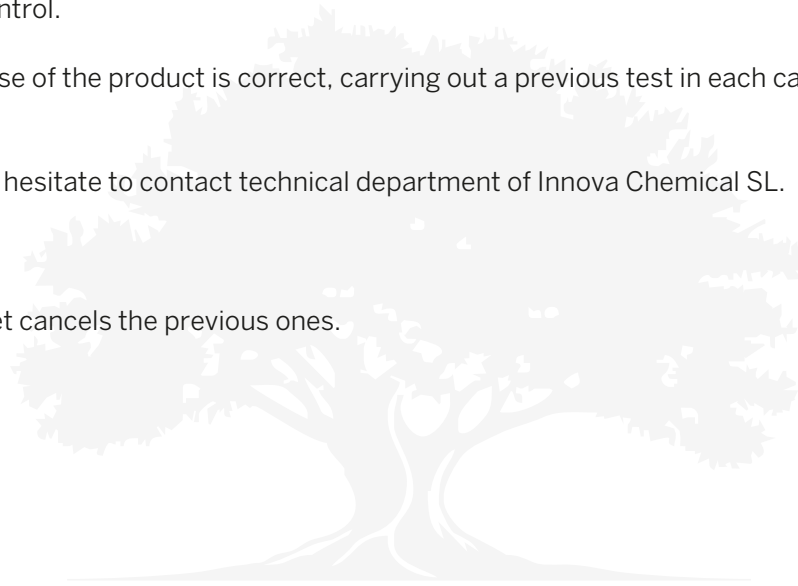
A dosage, mixing or application different from that described in this technical sheet would make us decline any responsibility if the final result is affected by factors beyond our control.

The customer must verify that the use of the product is correct, carrying out a previous test in each case that is necessary and thus checking its operation and final finish.

For any questions or queries, do not hesitate to contact technical department of Innova Chemical SL.

Revision date: MAY 2019.

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



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