

Working methods

Microcement AQUA NATURE CimentArt

Essential tools for applications

- Protective tape
- Scissor or cutter
- Sander
- Sandpaper grit 40
- Sandpaper grit 120 – 150
- Spatula
- Steel trowel
- Microfiber roller
- Painting Pan
- Electric mixer
- Vacuum cleaner
- Measuring glass or digital scale

Necessary CimenArt products

- CimentArt Primer
- CimentArt Fiberglass mesh
- Microcement AQUA Nature CimentArt
- CimentArt sealer
- Bi-component Polyurethane varnish CimentArt (Component A and B)

Before starting

Check the surface where the product would be apply and make sure the surface is:

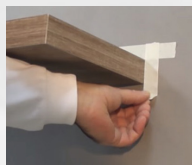
- Straight
- Stable, motionless
- Dry and without humidity
- Clean
- Free of dust, grease, etc.

Step-by-step application

1. Place the protective tape where necessary

- For the application over completely smooth walls, do only steps 2, 4, 5 and 6.
- In the case of application on floors and walls in bad conditions or with tile joints do all the steps.

2. Extender la malla de fibra de vidrio CimentArt sobre la superficie



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3. Apply a layer of CimentArt Primer with a roller over the fiberglass mesh, or in the case of completely smooth walls apply the layer over the Surface.



- Clean the roller and the painting pan with water

4. Regularization of the surface with AQUA Nature CimentArt

- The product is provided ready to be used; we recommend mixing the product using a spatula or electric mixer to obtain a complete homogenization of the color.
- The coverage is between 1 kg/m² and 1,5 kg/m² for a layer of 1mm approx., been always necessary to apply 1 layer minimum. Therefore, between 1 to 1,5 kg of Aqua Nature CimentArt will be required to use the product on a surface of 1 m².



Application of the first layer of Microcement AQUA Nature:

- With the steel trowel, using an angle of 45° giving a thickness of 1mm maximum (the thickness is given by the grain of the mixture and by the pressure used during the application).
- Complete the first application making it as homogeneous and without irregularities as possible.

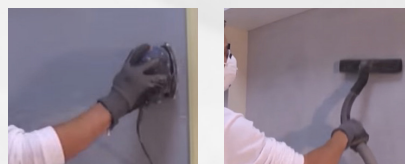


Remove the protective tape before the Microcement Aqua Nature hardens.



Allow the Microcement Aqua Nature to dry completely:

- The drying time depends on the humidity, temperature, ventilation, etc.
- Remove the irregularities of the first layer of Microcement Aqua Nature with a spatula or with sandpaper grit 40
- Remove the sanding dust. Wipe the surface with a damp cloth to clean it.



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Place protective tape where necessary.



- If the fiberglass mesh and the tile joints has been completely covered proceed to step 4. If the fiberglass and the joints are still visible, another layer has to be applied in the same fashion.

- Tip: before and during the application of this layer spray with water and slightly pass the steel trowel to correct the irregularities..

5. Microcement NATURE AQUA CimentArt

The product is provided ready to be used; we recommend mixing it using a spatula or an electric mixer to obtain a complete homogenization of the color. This last layer of AQUA NATURE CimentArt is done with the system fresh over fresh:

- Apply AQUA NATURE CimentArt with a thin layer of 0,7 mm, exerting a light pressure with the Steel trowel cover a surface between 1,5 m2 to 2 m2 maximum. Never apply layers thicker than 1 mm.

- Immediately apply a second layer over the fresh first layer (do not let the first layer to dry). This application method named fresh over fresh. Slightly spray water during the application of the last layer to achieve a completely smooth finishing using the steel trowel.



The union between the first and second layer will give a final thickness of 1,5 mm approximately.

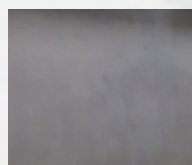
Continue with the next 1,5 to 2 m2 in the same fashion, applying one layer followed by a second layer, always with the same system of fresh over fresh.

The coverage of Microcement AQUA Nature for both layers applied with the fresh over fresh system is approximately 1,5 kg/m2, applying the product with a thickness of 1,5mm maximum.

After the both layers applied with the fresh over fresh system are dry, we recommend sanding it with sandpaper grit 80-120 and always vacuuming well the sanding dust.

On this last layer, never use a damp cloth to remove the dust.

The imperfections and/or trowel marks that remain on the surface when sanded will produce on the CimentArt Nature a kind of aesthetic grains and light stains, similar to natural polished cement.



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- Remove the protective tape before the Microcement hardens and allow the second layer of Microcement AQUA NATURE to dry.
- The drying time depends on the humidity, temperature, ventilation, etc.



- Sand really well with sandpaper grit 80 or 100 the second layer of Microcement Aqua Nature, correcting any irregularities, until a completely smooth surface is achieved
- Remove the sanding dust with the help of a vacuum. In addition, you can wipe the surface with a damp cloth to clean it.



6. CimentArt Sealer

- Place the protective tape where necessary.



Pour into a painting pan the CimentArt Sealer and apply a uniform layer with a shorthaired roller or a microfiber roller.

- The coverage of the CimentArt sealer is of 100 gr/m². To use it on a surface of 10 m² is necessary 1 kg of the product.



Clean the roller and the painting pan with water.

- Allow the Sealer to dry, the drying time depends on the humidity, temperature, ventilation, etc. Often dries fast.

7. Bi-Componente water base polyurethane varnish CimentArt

Bi-Componente water base

Recommended for: Indoors and outdoors applications, in every wall, ceiling, floor of moderate traffic.

Preparation:

- Mix 5 parts of the Cimentart Base Aqua Varnish Polyurethane component A with 1 part of the component B



- To make 1 kg of varnish with the two components 840 gr of component A and 160 gr of component B are need it.
- The approximate coverage is of 50 gr/ 1m2, applying a thin layer of 0,1mm. Is always necessary to apply two layers. To complete a surface of 10 m2 with two layers approximately 1 kg of the mixture is necessary.

Varnish HARD Polyurethane bi-component CimentArt Solvent

Recommended for: indoors and outdoors applications on floors of intense traffic.

Preparation:

- Mix 2 parts of the Component A of the Polyurethane Varnish HARD CIMENTART Solvent Base with 1 part of component B.
- To make 1 kg of Vanish HARD with the two components 666 gr of component A and 333 gr of component B are necessary.
- The approximate coverage is of 100 gr/1m2, applying a thin layer of 0,1 mm. it is always necessary to apply 2 layers. To complete a surface of 10 m2 with one layer 1kg of the mixture is necessary.



- Using a microfiber roller or a spray apply a first layer of varnish, 0,1mm of thickness (tipping off the surface when using the roller) and let dry at least 12 hrs.
- Using microfiber roller or a spray apply the second layer in the same fashion of the first one
- A third layer can be apply for more protection, mainly on those areas exposed to water like showers or outdoor terraces.
- Do not forget to clean the roller and the painting pan with water or a solvent, depending of the varnish used.

Importante

- Microconcrete AQUA can be use on any Surface with the exception of those surfaces that have capillary humidity, pools, basements and factories with heavy machines traffic.
- Never use Microcement Base Aqua with layers over 1mm of thickness.
- Never use Microconcrete Aqua with layers over 0.5 mm of thickness.
- On places of high people traffic, like shops, offices, malls, etc., we recommend to apply a third layer of Varnish HARD polyurethane bi-component.
- Use the Varnish of Polyurethane CIMENTART always with thin layers of 0,1mm.
- Make sure all the Microcement surface is cover with the Polyurethane Varnish.
- The traditional Microcement CIMENTART can be use without any problems on showers and areas constantly exposed to water. However, for this type of surfaces the use of gama AQUA, ready to use and 100% waterproof on all its layers is recommended.

For any technical guidance write to: info@grupocimentart.com.

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