

Working methods

Traditional CimentArt microcement used on completely smooth walls

Essential tools for applications

- Protective tape
- Scissor or cutter
- Sanding Machine
- Sandpaper grit 120 – 150
- Spatula
- Plastic trowel CimentArt
- Microfiber Roller
- Painting Pan
- Electric mixer
- Vacuum cleaner
- Measuring glass or digital scale

Necessary CimenArt products

- CimentArt Primer
- CimentArt Mixture Resin
- CimentArt Thin Microcement
- 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



2. Apply one layer of CIMENTART Primer with a roller over the wall



- Clean the roller and the painting pan with water

Grupo CimentArt

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3. CimentArt Microcement thin

- Mix 750 grams of Thin Microcement with half an liter of mixture resin CimentArt.
- The coverage of this Microcement is of 250 grams /m² applying the product with a layer of 0,1mm. It is necessary to apply 2 layers and between 400 and 500 grams are necessary to make 1 m².
- Mix well with the electric mixer until a smooth mixture is achieved. Let rest for 5 to 10 min on winter (while on summer it is not necessary).
- Do not mix big amounts of the product; it hardens faster than Base Microcement.



First layer application of Thin Microcement:

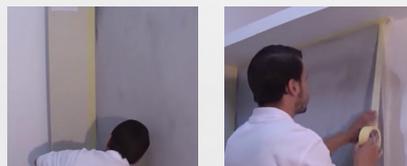
- Use our special trowel for Thin Microcement, realize the application with short circular movements, using an angle of 45° giving a thickness of 0,1mm maximum (the thickness is given by the grain of the mixture and the pressure used during the application).
- Complete the first application making it as homogeneous and without irregularities as possible.
- Remove the protective tape. Allow the first layer of thin Microcement to dry completely.
- The drying time depends on the humidity, temperature, ventilation, etc.



- Sand the first layer of Thin Microcement with sandpaper grit 150-200, correcting any irregularities.
- Remove the sanding dust with a vacuum cleaner.
- Tip: before applying the second layer on high temperature environments, spray slightly with water. This will allow a better application.



Place the protective tape where necessary.



Apply a second layer of Thin Microcement following the same procedure:

- With trowel for Thin Microcement, realize the application with short circular movements, using an angle of 45° giving a thickness of 0,1mm maximum (the thickness is given by the grain of the mixture and the pressure used during the application).

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- Complete the second application making it as homogeneous and without irregularities as possible.
- Tip: For the joints not to be visible, this layer of Thin Microcement must be applied in a continuous without stops fashion.



After sanding and vacuuming the second layer of Thin Microcement CimentArt, apply a third layer in the same fashion, until the surface is completely covered with Microcement.

Remove the protective tape and allow to dry completely:

- The drying time depends on the humidity, temperature, ventilation, etc.



- Sand the first layer of Thin Microcement with sandpaper grit 150-200, correcting any irregularities.
- Remove the sanding dust, with a vacuum cleaner. Never use a damp cloth on this phase.



4. CimentArt Sealer

- Place the protective tape.



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.

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

5. Bi-Componente 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 base

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.

Important

- Is important to mix energetically the Mixture Resin before mixing it with the Microcement powder if this isn't done color stains may appear on the surface.

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- Traditional Microcement 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 Thin Microcement with layers over 0.1mm of thickness.
- If while mixing the Resin with the Microcement powder, the mixture is too liquid, let it rest for a few minutes until the desired consistency is achieved. This can occur on low temperatures on winter and /or with intense colors resin.
- Respect the proportions of Mixture Resin and Microcement powder. Otherwise, the final color can vary. This is especially important on the last two layers of Thin Microcement layers.
- 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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