

OXIDE CIMENTART

TECHNICAL SHEET

Ultra fine Decorative
Microcement

The possibility of creating
effects of Corten Steel,
Cooper, Bronze and
Natural Oxide.

High adherence over any
surface.

Easy and fast application.

High abrasive resistance.

Floors and
indoors/outdoors walls.

CIMENTART®
MICROCEMENT



Committed with the environment.

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OXIDE CIMENTART – DATA AND TECHNICAL SHEET

OXIDE CIMENTART is a working method with **microcement that creates decorative effects imitating natural oxide**. It has composed of a cement base, synthetic resins, aggregates, minerals, with a especially thin granulometry.

Once the microcement have been applied, **Activity CimentArt** is used, and the principal characteristic of this product is that t has the capability of burning the cement, creating then and very natural and easy to obtain oxide effect.

TECHNICAL DATA

Presentation	White powder
Regulations	EN 197-1:2000
Apparent Density of the material	1,2 ± 0,1 g/cm³
Granulometry	0,1 – 0,2 mm
Density of the mixed product	1,4 ± 0,2 g/cm³
Clinker	85 to 94 %
Additions	Limestone LL 6 to 27%
Minority	5 to 10%
Added Minerals	31 to 35 %
Setting beginning +- 45 min	+- 10 min
Expansion beginning	+- 10 mm
Compression resistance 48 hrs	30 Mpa
Compression resistance 28 days	52,5 Mpa
Transportation	Considered non-dangerous material
Storage	Considered non-dangerous material

SURFACES AND APPLICATIONS

To guarantee a good adherence, the surfaces must be free of dust, grease, particles, mold, etc. Those surfaces that are in a bad condition or any crack son the surface must be fix previously.

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OXIDE CIMENTART can be use on floors, walls and ceilings, even on surfaces that are normally in contact with water as showers, kitchens countertops, bathrooms and exterior terraces.

The regularization of the surface is done with **Microcement Base CIMENTART** or **iCem AQUA BASE CIMENTART**, afterwards sanding must be done with sandpaper grit 40 – 60, and the dust well cleaned with a vacuum cleaner.

USE INSTRUCTIONS

Mix 800 / 900 grams of **Fine Microcement CIMENTART** with ½ liter of **Mixture Resin CIMENTART** and remove well the container content to achieve a perfect homogenization. Use mechanical means.

The mixture must be always soft in order to work with it

Apply the product by hand, with short and semicircular movements, in thin layers of 0.1mm.

Between the first layer and the second application of the **Fine Microcement CIMENTART**, the necessary drying time has to be allowed to achieve a completely dry tact, approximately 1 to 3 hrs.

Apply a second layer in the same fashion.

The drying time depends on the temperature, ventilation and humidity on the area.

A third layer may be necessary, if the finishing with the second layer is not the desired one.

It is recommended to sand the layers with sandpaper grit 200 or above.

Water is use to clean the Tools alter the application.



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COLORS TABLE

Our working method allows an infinity of finishings and shades of oxide, depending on the color used with the **Fine Microcement CIMENTART**.

We recommend the following color to create these effects: Oxide, Corten, Bronze and Cooper.

Fine Microcement CIMENTART colors	Finishing achieved:
STEEL	NATURAL OXIDE
GREY PEARL	CORTEN
EMERALD	BRONZE
CORAL	COOPER

OXIDATION PROCESS OF THE FINE MICROCEMENT CIMENTART

To obtain the oxide effect, mix a 125 ml bottle of **Activity CIMENTART** (Oxide activator) with 125 ml of water.

Moist a sponge with the earlier mixture (**Activity CIMENTART** with water) and with short, semicircular movement rub the surface.

This action can also be done using a spray.

The application with sponge or the spray must be done in a controlled fashion avoiding dripping in the walls and puddles on the floor.

To achieve a Natural Oxide effect, the application must be done in an irregular fashion with some areas with more quantity than others, without soaking the surface.

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Let it dry completely to achieve the result and apply a second layer in the same fashion. If you desire to smooth any area, this action can be repeated more times, either in the whole surface or per areas.

Do not abuse with the **Activity CIMENTART**, the more **Activity CIMENTART** is used, the more the cement gets burned and oxide (Normally it gets darker with each application) and the process can not be reverted.

We call **OXIDE CIMENTART** the working method that consists of the application of **Fine Microcement CIMENTART** and the application of **Activity CIMENTART**.

OXIDE CIMENTART SEALING

24 hours after applying the last layer of **Activity CIMENTART**, with a dry cloth or absorbent paper, rub the entire surface to remove the excess (there is always excess **Activity CIMENTART**). After this process we proceed to the application of **CIMENTART SEALER**.

The **CIMENTART Sealer** is a product ready to be use and its application is done with a sponge, a Roller or a paint spray gun, in a thin layer. Never apply to much sealer as in combination with the oxide activator can create white stains or not to dry.

Make sure every area is completely covered.

Allow to dry for 24hrs.

To finish and create a perfect impermeability apply two layer of **bi-component Polyurethane MATE CIMENTART** with thin layers. If any white stain appears, let it dry completely and smoothly sand the surface before the next layer application.

The Tools use with all the products is cleaned with water.

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EFFICIENCY

The approximated coverage to finish the two layer of **Fine Microcement CIMENTART** is of \pm 400 gr/m²/2 layers of 0, 1 mm.

The approximated coverage to finish the two layers of **Activity CIMENTART** mix (125 ml of activity + 125 ml of water / \pm 10 m²).

PRESENTATION

- Fine Microcement: Containers of 4 kg and 15 kg.
- Mixture Resin for Thin Microcement: 1 kg, 5 kg and 25 kg.
- Activity: 125 ml bottles.

PRECAUTIONS

Do not use with the risk of freezing or raining. Do not used it with a temperature inferior to 5°C or superior to 35°C.

* We recommend to do tests before doing any work with the **Activity CIMENTART** in order to control better the application of this product done either with a sponge or a spray. In this fashion you will acquire knowledge of the product and achieve the desire finishing

It is important to make test before every application and take note of the results.

Do not use the **Activity CIMENTART** on Microcemento Aqua (this microcement does not absorb the Activity).

On areas with capillary humidity it is not recommended to use **Oxide CIMENTART**.



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Use the adequate personal protection equipment, these products may cause eyes irritation. Do not allow the reach of children, contact with eyes and skin by using the proper PPE (personal protection equipment). In the case of the product been in contact with the eyes, clean with plenty of water and consult your doctor in case of any complications.

STORAGE

12 Months, in a place completely dry and protected from the weathering in its original container, hermetically closed.

CIMENTART MICROCEMENT SL. Our systems and work methods base on the investigations undertaken and years of expertise. We guaranty that our products are manufacture, package and label in accordance with the rule ISO 9001:2008. Not liability shall be assume if the result is affect by factors out of our control.
The final user must test that the provided product fulfills the necessities, by doing a prior test on each need it case
Review date: 23-05-18.
The following additions to this technical sheet cancel the previous publications.

