

KONCRET BASE MICROCEMENT

TECHNICAL DATA SHEET

Continuous high
resistance coating for all
types of flooring

Regularization and
preparation of flooring
for the finishing
Microcement

Great adherence over
any type of surface

Easy sanding

High resistance to
abrasion

Interior & exterior

CIMENTART®
MICROCEMENT



INNOVATE SME

Valid until Nov 16th 2020



Commitment with the environment

Company certified with ISO 9001 (quality) / ISO 14001 (environmental)

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KONCRET BASE MICROCEMENT – TECHNICAL DATA SHEET

The **Koncret Base Microcement CIMENTART** is a special cement coating, with synthetics resins, special sands and selected minerals with great hardness that is applied manually with a steel trowel, whether in interiors as exteriors. Its use is for the regularization and preparation of pavements.

It is applied over **Fiber Glass Mesh CIMENTART** and the union of two materials prevents the cracking of the surface and increases its mechanical resistance. This prepares in an optimal way the surface for the application of the **Fine Microcement CIMENTART** or any finishing microcement.

TECHNICAL DATA

Presentation	Grey powder
Regulation	UNE-EN 197-1 : 2000: A1 : 2005
Granularity	0.7 mm
Mixing ratio	4 parts powder / 1 part mix resin
Mixed product density	2.0 ± 0,2 g/cm³
Mixed product - Validity	Aprox. 20´ according to environmental conditions
Adherence after 24 hour	> 1,5 N/mm²
Flexibility resistance after 28 days	8,3 Mpa (N/mm²) UNE 13892 2
Resistance to compression 48 hours	38 Mpa UNE 13892 2 C30
Efficiency	1,2 kg/m²/mm
Fire resistance	Euroclass 1
Packaging format	Buckets 25 kg
Shipping	Material considered not dangerous
Storing	12 months, in a dry place in its original recipient hermetically closed.

SURFACE PREPARATIONS

The supports where the **Koncret Base Microcement CIMENTART** is going to be applied must be resistant, smooth and clean, stable, free of dust, grease and any material that hinders its adherence.

For a correct application of **Koncret Base Microcement CIMENTART** it is necessary to have a completely rigid support, without movement or expansion.

Extend the fiberglass mesh and apply a layer of **Primer CIMENTART** to ensure the adherence of **Koncret Base Microcement CIMENTART**.

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USE INSTRUCTIONS

Mix 4 parts of **Koncret Base Microcement CIMENTART** with 1 part of **Mixing Resin CIMENTART** and use an electric mixer to mix the content of the recipient until you achieve a perfect homogenization. You have approximately 20 minutes to apply the mixture.

In very dry substrates, the surface where we are going to apply **Koncret Base Microcement CIMENTART** can be lightly moistened with water, with a diffuser spray, without puddling the areas. This process can also be done between layers.

Between the application of the first and the second layer of **Koncret Base Microcement CIMENTART**, it should have enough time so the product is completely dry when you touch it, approximately 4 to 6 h.

The drying time in fact depends on the temperature, ventilation and humidity present in the room.

As the last coat is applied, spray lightly with water and smooth the applied coat with the trowel to achieve a completely smooth finish. Do not abuse by spraying.

It could be necessary to apply up to 3 layers of **Koncret Base Microcement CIMENTART**, depending on the initial condition of the surface, till you achieve its perfect regularization.

In case of an application over a tiles floor, you should apply all the needed layers till you completely cover the entire tiles surface and its joints.

The application is done manually, applying the product in thin layers of 1mm, using a steel trowel. Never apply layers thicker than 1 mm. Once the layer is dry, sand it with grip 40-60 and remove all the resulting dust using a vacuum cleaner.

The tool cleaning is done using water.

EFFICIENCY

The efficiency is approximately of $\pm 1,2 \text{ kg/m}^2/ 1\text{mm}$ layer.



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PRESENTATION

- Buckets 25 kg.
- Pallets: 33 buckets.

STORING

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

CAUTIONS

Respect the instructions and mixing proportions. Do not mix with water; add cement, sand or any other substance that may alter the characteristics of the material. Once the mixture begins to harden, never add water or resin to soften it.

Never apply the product to substrates that are wet, damp or have capillary moisture. Do not apply the product if there is humidity in the environment greater than 50%.

Do not apply in layers greater than 1 mm. Apply some pressure with the trowel when applying.

Sometimes, up to 3 layers of **Koncret Base Microcement CIMENTART** may be necessary, depending on the state of the surface, until achieving a perfect regularization and smoothing of the support.

If you have applied before the **CIMENTART FIBERGLASS MESH**, you have to leave it completely covered with the **Koncret Base Microcement**.

If you are going to apply **Fine Microcement CIMENTART** over **Koncret Base Microcement CIMENTART**, in a different color than gray, you must apply the necessary layers until it is completely covered with **Fine Microcement CIMENTART**.

Do not apply with risk of frost or rainy weather. Do not apply at a temperature below 5°C nor above 35°C. Do not apply in very hot environments or in strong direct sun.

On underfloor heating, you must turn it off 24 hours before application and not turn it on until 48 hours after application. In underfloor heating, never fill the perimeter joints and make expansion joints under the doors and on surfaces greater than 20 m².



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Protect the legs of furniture, chairs, stairs or tables with protective felts. The legs should have a good base with straight support. Remove any protective plastic caps on the legs of chairs and tables.

Never drag furniture or other objects and protect the pavement, if other construction work is to be carried out on the pavement.

Product considered not dangerous in matters of transport. Aqueous base, free of solvents, alcohols or others flammable products.

Using the appropriate PPE, contains cement, irritates the eyes. Do not put within the reach of children, avoid contact with eyes and skin using the appropriate PPE. In case of contact with the eyes, rinse thoroughly with water and consult your doctor in case of subsequent discomfort.

Once the application is finished, let it dry completely and wait 7 days before moistening or cleaning with water.

CIMENTART MICROCEMENT SL. Our systems are based in the research done at our laboratories and the many years of practical experience we have. We guarantee that our products are manufactured, packaged and labeled under the rules of Normative ISO 9001:2015..

We decline any responsibility if the end result is affected by external factors not under our control. The end user must check that the product supplied is adequate to the needs that is going to be used for, doing a test in any case that must be necessary.

Review date: 05-01-23.

The present document cancels the earlier editions.



RESPONSIBLE CARE
El Compromiso de la Industria Química
con el Desarrollo Sostenible