



INDUSTTRIAL



INDUSTTRIAL Epoxy microcement

INDUSTTRIAL is a water-based two-component epoxy microcement (aggregate + epoxy resin). High performance microcement for decorative finishes. It has been formulated to be applied as a continuous coating of low thickness on interior floors and walls.

Topciment® microcements are applied by trowel in various coats, making it possible to achieve a wide variety of effects. Its natural mineral finish stands out. Available in 16 colours and 4 granulometries.

Properties

- Very natural mineral finish.
- As a continuous seamless coating. Excellent workability.
- High adhesion to mineral substrates.
- Very good resistance to chemical agents: ammonia, water, oil, soft drinks, coffee, etc. Sensitive to vinegar and other organic acids.
- Very good resistance to abrasion.
- More impermeable than conventional microcement systems.
- Recommended for use in interiors where good mechanical performance and a good decorative finish are required.
- The 4 granulometries are suitable for floors and walls.

Uses/Fields of application

High-performance microcement for use as a continuous coating for interior floors and walls. It cannot be placed on radiant floors.

Especially recommended in areas with high wear as garages and warehouses. In addition to floors of galleries, stores, waiting rooms, corridors, offices. And in general in those areas of pedestrian traffic where a natural finish with good resistance is sought.

Available in four granulometries: XL, Base, Medio and Liso. The four granulometries are suitable for floors and walls

Consumption

The approximate consumption is:

- XL: 1.1 Kg/m² (1 coat)
- Base: 0.9 Kg/m² (1 coat)
- Medio: 0.55 Kg/m² (1 coat)
- Liso: 0.45 Kg/m² (1 coat)

Mixing

Homogenise component A of each INDUSTRIAL with mechanical agitation at low speed. Add component B and mix. The proportions of the mixture are as follows:

- For INDUSTRIAL component A of 18 kg, add 1.15 Kg of component B INDUSTRIAL.
- For INDUSTRIAL component A of 4.5 kg, add 0.3 Kg of component B INDUSTRIAL.
- For INDUSTRIAL component A of 1.8 kg, add 0.12 Kg of component B INDUSTRIAL.

Pigment the resulting mixture with the ARCOCEM® PLUS colour toner chosen from the INDUSTRIAL colour chart. It is also possible to pigment component A first and then mix it with component B.

Technical data

- Colours: Pannacotta, Taupe, Linen, Hazelnut, Wicker, Koala, Walnut, Anthracite, Shadow Black, Pure Black, Gem Grey, Ultimate Grey, Nebula, Universe, Mocha and Patagonia.
- Finish: Matt
- Cure: 7 - 14 days
- Total solids (A+B): $87 \pm 2\%$
- Shore hardness: 80-87

Characteristics of Component A

Based on cycloaliphatic amine adducts.

- Solids: $82 \pm 2\%$
- Density: $1,65 \pm 0,02$ g/mL
- Viscosity: 45 - 65 Pa·s at 25°C
- pH: $9,5 \pm 1$

Characteristics of Component B

Water-based epoxy resin.

- Solids: 100%
- Viscosity: 8 -10 Pa·s
- Flash point: 266°C
- Density at 25°C: 1.16 g/mL

Preparing the substrate

Before applying INDUSTRIAL microcement, the substrate must be properly prepared. It must be dry, clean and free of dust, grease or dirt. In the case of being previously varnished or painted, the previous coating must be removed, especially if it is damaged or deteriorated. This can be done by sanding or stripping, making sure to leave the surface in good condition. If reparation, consolidation or joint sealing is required, proceed before priming.. On mineral or cementitious surfaces it is recommended to use the PRIMACEM® family. In the case of humidity, use PRIMAPOX® 100 BARRIER.

Application

Homogenise component A of each INDUSTRIAL with mechanical stirring at low revolutions. To pigment, add to the mixture the ARCOCEM® PLUS colour toner from the INDUSTRIAL colour chart.

Then add the corresponding component B to the prepared component A and mix with a mechanical stirrer at low revolutions. The mixing ratio is: 9,4 parts of A to 0,6 part of B.

For applications on floors and walls, it is recommended to apply 2 coats of INDUSTRIAL XL or INDUSTRIAL BASE and then 1 coat of INDUSTRIAL MEDIO or INDUSTRIAL LISO leaving layers of 1 mm for each coat of product.

After each coat, a soft sanding with 220 grit sandpaper is recommended and before sealing, a sanding with 400 grit sandpaper is recommended.

The drying time of each coat will depend on the environmental conditions at the time of application. At temperatures between 15-23°C the drying time between coats can range from 8-12h. At temperatures between 23-35°C, the drying time can vary between 4-6h. The ambient humidity will also be a determining factor, since at high humidities (>70% w/w) the drying the drying will be slower.

The final curing time will also depend on these environmental conditions, being 7-14 days depending on these conditions. It is not recommended to apply at ambient and substrate temperatures below 15°C.

Before sealing the INDUSTRIAL microcement it is recommended to let dry at least 48h. It can be sealed with any varnish of the TOPSEALER® family. It is recommended to apply two coats of TOPSEALER® WT ONE COAT varnish (24 hours drying time between coats). Leave to act for at least one week to achieve maximum performance.

Maintenance

Allow the TOPSEALER® varnish to dry for at least one week before wetting.

- Polyurethanes reach their full chemical properties after two weeks.
- Do not use detergents or cover before two weeks.

Clean with a damp cloth and our Ecoclean detergent or, if not, with neutral soap to prolong the life of the sealer. Do not use aggressive cleaning products such as bleach, acetone or hydrochloric acid.

Special precautions

Follow the instructions in the safety data sheet.

It is recommended to comply at least with the following measures:

- Good ventilation.
- Protective goggles to prevent splashing.
- Rubber gloves.
- In case of contact with eyes, flush with plenty of water for 15 minutes.
- In case of contact with skin wash with soap and water.
- Do not swallow. If swallowed, do not induce vomiting and seek medical attention immediately. Do not dilute with water.

Empty containers must be disposed of in accordance with current legislation.

Keep out of the reach of children.

The product contains silica. Silica particles (respirable fraction) may be released during sanding and the use of respiratory protection is recommended.

Packaging

It is supplied in containers of:

- 18 Kg Comp. A + 1,15 Kg Comp. B
- 4,5 Kg Comp. A + 0,3 Kg Comp. B
- 1,8 Kg Comp. A + 0,12 Kg Comp. B

Cleaning of tools

Tools are washed with soap and water immediately after use.

Pot life of the product

The shelf life of the mixture (component A + component B) is 60 minutes at about 20°C.

Storage conditions

The product should be stored in its original closed container and protected from the weather at temperatures between 15°C and 30°C, in a dry and well ventilated place, away from heat sources and direct sunlight. The shelf life is 1 year from the date of manufacture, if stored properly.



The product must not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements laid down in the legislation. The following safety data sheets are available to the The Safety Data Sheets of the product are at the disposal of the professional.

Last edition: February 2023

INDUSTRIAL

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EPOXY MICROCEMENT

BÉTON CIRÉ EPOXY

STEP BY STEP MIXING OF COMPONENTS



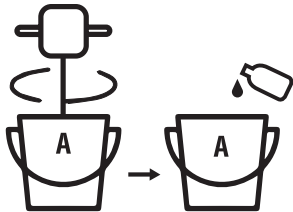
1. STIR COMPONENT A

Stir component A to homogenise using a mechanical stirrer.



2. PIGMENTING WITH ARCOCEM® PLUS

Add **Arcocem® Plus** to component A.



3. HOMOGENISE

Homogenise component A and **Arcocem® Plus**.



4. ADD COMPONENT B

Add component B to the mixture resulting from the previous steps.



5. MIX

Mix component A and component B with the help of a mechanical stirrer.

*The mixture A+B can also be pigmented.



6. READY TO APPLY

You can now apply the **Industrial** epoxy microcement.



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MICROCEMENTO EPOXI

EPOXY MICROCEMENT

BÉTON CIRÉ EPOXY

STEP BY STEP MIXING OF COMPONENTS



1. CLEANING AND PREPARATION OF THE SUBSTRATE

The substrate must be dry, clean, free of dust, grease and dirt.



2. PRIMER

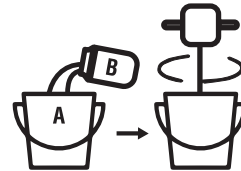
On mineral or cementitious surfaces it is recommended to use the **Primacem**® family.

If there is humidity, use **Primapox**® 100 Barrier.



3. PREPARATION COMPONENT A

- 3.1 Shake to homogenize component A.
- 3.2 For pigmenting, add **Arcocem**® Plus and homogenize.



4. MIXING COMPONENT A+B

Mix the previous preparation (component A) with component B and homogenize.

It is also possible to pigment the mixture A+B.



5. APPLY INDUSTRIAL XL/BASE

- 5.1 Apply two coats of **Industrial XL/Base** with a trowel.
- 5.2 Allow to dry for approx. 8 to 12 hours between coats.
- 5.3 Allow to dry and sand with 220 grit sandpaper.



6. APPLY INDUSTRIAL MEDIO/LISO

- 6.1 Apply with a trowel a coat of **Industrial Medio/Liso**.
- 6.2 Allow to dry between 8 and 12 hours approx. between coats.
- 6.3 Allow to dry for 48 hours and sand with 400 grit sandpaper.



7. SEALING

We recommend applying two coats of **Topsealer**® WT One Coat (24h drying time between coats). Leave the sealer to act for at least one week.



8. MAINTENANCE

To prolong the life of the varnish, apply our **Ecoclean**® detergent cleaner.



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