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INDUSTTRIAL

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Epoxy microcement

INDUSTTRIAL is a water-based epoxy microcement. High performance microcement for decorative finishes. It has been formulated for 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 four granulometries.

Characteristics

- Characteristics.
- Very natural mineral finish.
- As a seamless continuous coating. Excellent workability.
- High adhesion to mineral substrates, even on tiles.
- 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 waterproof than conventional microcement systems.
- Recommended for use in interiors where good mechanical performance and a good decorative finish are required.
- All 4 granulometries are suitable for floors and walls.

Uses/Fields of application

High-performance microcement for use as a continuous coating for floors and walls in interiors. It cannot be laid on underfloor heating.

Especially recommended for areas with high wear and tear such as garages, INDUSTTRIAL warehouses as well as floors in galleries, shops, waiting rooms, corridors, offices. And in general in those areas with pedestrian traffic, where a natural finish with good resistance is sought.

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

Consumption

The approximate consumption is:

- XL: 1.40 Kg/m² (1 coat)
- Base: 1,20 Kg/m² (1 coat)
- Medio: 0,70 Kg/m² (1 coat)
- Liso: 0,55 Kg/m² (1 coat)

Mixing

Homogenise component A of each INDUSTTRIAL with mechanical agitation at low speed. Add EPOXY 100 ACCELERATOR and mix. The proportions of the mixture are as follows:

- For INDUSTTRIAL component A of 18 kg, add 140 g of EPOXY 100 ACCELERATOR.
- For INDUSTTRIAL component A of 4.5 kg, add 35 g of EPOXY 100 ACCELERATOR.
- 1.8 kg test kit component A INDUSTRIAL, add 14 g EPOXY 100 ACCELERATOR.

Pigment the resulting mixture with the ARCOCEM® PLUS colour toner chosen from the INDUSTTRIAL colour chart.

For colouring in other shades, the percentage of pigment paste to be added is as follows:

- For Industtrial Liso, 4% of Arcocem®.
- For Industtrial Medio, Industtrial Base and Industtrial XL, 3% of Arcocem®.

Then add the corresponding INDUSTTRIAL component B and mix the 2 components by stirring at low speed in the ratio of 9 parts (in kg) of component A in colour to 1 part of component B. The container maintains the mixing proportions.

Do not add ARCOCEM® PLUS to component B, as it is not pigmentable.

Caution: Component B may solidify at ambient temperatures below 15°C. Heat the product with a heating blanket or similar. Use immediately afterwards.

Technical data

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

Characteristics of Component A

Based on cycloaliphatic amine adducts and selected aggregates.

- Solids: 82 ± 2 %
- Density: 1,65 ± 0,02 g/mL
- Viscosity: 45 - 65 Pa•s at 25ºC
- pH: 9,5 ± 1

Characteristics of Component B

Epoxy resin BPA.

- Solids: 100%
- Viscosity: 8 -10 Pa•s
- Flash point: 266ºC
- Density at 25ºC: 1,16 g/mL

Preparing the substrate

Before applying INDUSTTRIAL 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 separation, consolidation or joint sealing is required, proceed before priming.. On mineral or cementitious surfaces it is recommended to use the PRIMAPOX® or PRIMACEM® family. In the case of humidity, use PRIMAPOX® 100 BARRIER.

Application

Homogenise component A of each INDUSTTRIAL with mechanical stirring at low revolutions, add PRIMAPOX® 100 ACCELERATOR and mix (This is valid for all granulometries). To pigment, add to the mixture the ARCOCEM® PLUS colour toner from the INDUSTTRIAL 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 parts of A to 1 part of B, the container is already prepared with these proportions.

Do not add ARCOCEM® PLUS to component B, as it is not pigmentable.

To pigment Industtrial with other colours, the percentage of pigment paste to be added is as follows:

- For Industtrial Liso, 4% of Arcocem®.
- For Industtrial Medio, Industtrial Base and Industtrial XL, 3% of Arcocem®.

Caution: Component B may solidify at ambient temperatures below 15°C. Heat the product with a heating blanket or similar. Use immediately afterwards.

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

After each coat, a soft sanding with 220 grit sandpaper is recommended. After the finishing coat 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 15-23ºC the drying time between coats can be 8-12 hours. At temperatures between 23-35ºC, the drying time can vary between 4-6h. The
ambient humidity will also be a determining factor, as at high humidities (>70% w/w) the drying time 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 15ºC.

Before sealing the INDUSTTRIAL microcement, it is recommended to let it dry for at least 48 hours. It can be sealed with three coats of TOPSEALER® WT ALL IN ONE varnish (3 hours drying time between coats) or two coats of TOPSEALER® WT ONE COAT (24 hours drying time between coats). Leave for at least one week to achieve maximum results.

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 (pigment with 400 g of ARCOCEM® PLUS) + 2 Kg Comp. B + 140 g Epoxy 100 Accelerator.
- 4,5 Kg Comp. A (pigment with 100 g of ARCOCEM® PLUS) + 0,5 Kg Comp. B + 35 g Epoxy 100 Accelerator.

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 15ºC and 30ºC, 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.

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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 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: January 2022

INDUSTTRIAL

MICROCEMENTO EPOXI | 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. ADD EPOXY 100 ACCELERATOR

Add **Epoxy 100 Accelerator** to component A.

3. MIXING

Mix component A and **Epoxy 100 Accelerator**.

4. PIGMENTING WITH ARCOCEM® PLUS

Add Arcocem® Plus to component A.

5. HOMOGENISE

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

6. ADD COMPONENT B

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

7. MIX

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

8. READY TO APPLY

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

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Made in Spain

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MICROCEMENTO EPOXI | EPOXY MICROCEMENT | BÉTON CIRÉ EPOXY

STEP BY STEP MIXING OF COMPONENTS

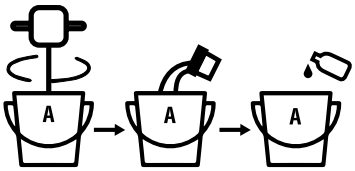
1. CLEANING AND PREPARATION OF THE SUBSTRATE

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

2. PRIMING

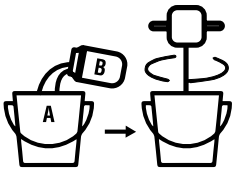
On mineral or cementitious surfaces it is recommended to use **Primapox**® or **Primacem**®.

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



3. PREPARATION COMPONENT A

3.1 Shake to homogenise component A.
3.2 Add **Epoxy 100 Accelerator** to component A and mix.
3.3 For pigmenting, add **Arcocem® Plus** and homogenise.



4. MIXING COMPONENT A+B

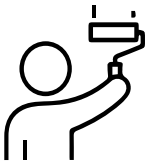
Mix the previous preparation (component A + **Epoxy 100 Accelerator**) with component B and homogenise.

5. APPLY INDUSTTRIAL XL/BASE

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

6. APPLY INDUSTTRIAL MEDIO/LISO

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



7. SEALING

Apply three coats of **Topsealer® WT All in One** (3h drying time between coats) or two coats of **Topsealer® WT One Coat** (24h drying time between coats).
Let the sealer react for at least one week.

8. MAINTENANCE

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

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