



INDUSTTRIAL



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Two-component epoxy microcement (A+B)

INDUSTTRIAL is a water-based two-component 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. Topcement 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.

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.

Uses/Fields of application

High-performance two-component microcement for use as a continuous coating on interior floors and walls. Especially recommended for areas with high wear and tear such as garages, industrial 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.

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 with mechanical agitation at low speed and mix it with the ARCOCEM® PLUS colour toner from the INDUSTRIAL colour chart. ARCOCEM® PLUS colour toner from the INDUSTRIAL colour chart.

Then add component B and mix the 2 components by low speed stirring in the ratio of 9 parts (in kg) of component A in colour to 1 part of hardener or component B. The container maintains the mixing proportions. Do not add ARCOCEM® PLUS to component B, as it is not pigmentable.

Technical data

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

Characteristics of Component A

Based on cycloaliphatic amine adducts and selected aggregates.

- 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

Epoxy resin BPA.

- 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, especially if it is damaged or deteriorated.

This can be done by sanding or stripping, making sure to leave the surface in good condition. In the event if repair, consolidation or joint sealing is required, proceed before priming. On mineral or cementitious surfaces it is recommended to use the PRIMAPOX® family.

Application

Homogenise component A with mechanical agitation at low speed and mix it with the ARCOCEM® PLUS colour toner from the INDUSTRIAL colour chart. It is pigmented at 2% by weight, with regard to the A+B set.

Then add component B on top of 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.

For screeds and floor applications it is recommended to apply two coats of INDUSTRIAL XL and then 1 coat of INDUSTRIAL Medio, leaving coats of 1 mm for each coat of product.

For wall applications it is recommended to apply two coats of INDUSTRIAL Base and then one coat of INDUSTRIAL Liso, leaving layers of 1 mm 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 15-23°C the drying time between coats can be 8-12 hours. At temperatures between 23-35°C, 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 15°C.

Before sealing the INDUSTRIAL 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.

Step by step

For INTERIOR FLOORS	For INTERIOR WALLS
Step 1. Cleaning and preparation of the substrate	
Ensure the substrate is dry, clean, free of dust, grease or dirt. In case the interior floor or paving is varnished or painted, remove the previous coating.	Ensure that the substrate is dry, clean, free of dust, grease or dirt. If the interior wall is varnished or painted, remove the previous coating.
Step 2. Priming	
On mineral or cementitious surfaces it is recommended to use the PRIMAPOX®* range of products.	On mineral or cementitious surfaces it is recommended to use the PRIMAPOX®* range of products.
<i>*If dampness is present, use Primapox® Barrier, otherwise another primer from the Primapox® family depending on the substrate and requirements.</i>	
Step 3. Pigmenting and mixing	
Homogenise component A and pigment it with the colour toner ARCOCEM® PLUS from the INDUSTRIAL colour chart. Then add component B and mix the two components.	Homogenise component A and pigment it with ARCOCEM® PLUS colour toner from the INDUSTRIAL colour chart. Then add component B and mix the two components.
Step 4. Epoxy microcement for preparation	
<ul style="list-style-type: none"> • Apply INDUSTRIAL XL with a trowel (2 coats). • Dry for 4 - 12 hours between coats (time will depend on the temperature and humidity). • Allow to dry and sand. 	<ul style="list-style-type: none"> • Apply INDUSTRIAL Base with a trowel (2 coats). • Dry 4 - 12 hours between coats (time will depend on temperature and humidity). • Allow to dry and sand.
Step 5. Epoxy microcement finishing coat	
<ul style="list-style-type: none"> • Apply 1 coat of INDUSTRIAL Medium. • Let dry for 4 - 12 hours between coats. (time will depend on temperature and humidity). • Allow to dry for at least 48 hours and sand. 	<ul style="list-style-type: none"> • Apply 1 coat of INDUSTRIAL Liso. • Dry 4 - 12 hours between coats (time will depend on temperature and humidity). • Allow to dry for at least 48 hours and sand.
Step 6. Sealing	
To protect the interior floor. You can: <ul style="list-style-type: none"> • Apply 3 coats of the varnish TOPSEALER® WT All in One (3 hours drying time between coats) or with 2 coats of TOPSEALER® WT One Coat (24 hours drying time between coats). • Allow the sealer to react for at least one week. • To prolong the life of the varnish, apply our detergent cleaner ECOCLEAN. 	To protect the interior epoxy wall. You can: <ul style="list-style-type: none"> • Apply 3 coats of TOPSEALER® WT All in One Varnish (3 hours drying time between coats) or with 2 coats of TOPSEALER® WT One Coat (24 hours drying time between coats). • Allow the sealer to react for at least one week. • To prolong the life of the varnish, apply our ECOCLEAN detergent cleaner.

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 cleaner or neutral soap to extend the durability of the sealant. 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:

4,5 + 0,5 Kg of A+B (to pigment 100 g ARCOCEM® PLUS)

18 + 2 Kg of A+B (to pigment 400 g ARCOCEM® PLUS)

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.

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