



INDUSTTRIAL



INDUSTTRIAL BASE Epoxy microcement

INDUSTTRIAL BASE is a two-component epoxy microcement based on water, specially designed as a preparatory layer for walls.

Uses

High-performance microcement for interiors, designed as a continuous coating with low thickness, decorative finish, and without joints. Specially formulated for applications on pavements subjected to high wear, such as shopping centers, restaurants, hotels, garages, warehouses... Cannot be installed over underfloor heating.

Properties

- Seamless continuous coating (always respect expansion joints).
- Specially formulated as a preparatory layer for walls and floors. Suitable for interior renovations.
- Compatible with a wide range of surfaces like concrete, ceramic, tiles, plaster, and plasterboard...
- High hardness, excellent abrasion resistance, and low water absorption. More waterproof than conventional microcement systems.
- Ready-to-use product that's easy to apply.
- Can be pigmented to offer a wide range of colors and personalized finishes to suit different decorative styles

Technical Data

PROPERTIES	SPECIFICATION	UNIT	METHOD
Characteristics Comp. A	Epoxy Paste		
Non-volatile Content % Comp. A	80-82	%	UNE-EN ISO 3251:2020
Density Comp. A	1.6±0.1	g/cm ³	UNE-EN ISO 2811-1
Characteristics Comp. B	Aliphatic Amine		
Non-volatile Content % Comp. B	100	%	UNE-EN ISO 3251:2020
Density Comp. B	1.02±0.1	g/cm ³	UNE-EN ISO 2811-1
Viscosity Comp. B	1200-1500	mPa·s	UNE-EN ISO 2555

MIXTURE PROPERTIES A+B (100:11.6)	SPECIFICATION	UNIT	METHOD
Performance	0.9	Kg/m ² (1 coat)	
Non-volatile content A+B	91-93	%	
VOC's	<5	g/L	
Mix Pot Life	60	min	
Shore D Hardness	52		EN ISO 868:2003-10
Sandpaper Grit	40		
Drying Time Between Coats	8-12	hours	
Application temperature	15-25	°C	
Curing time	7	days	

Surface Preparation

All surfaces should be level and solid. It's essential to clean and dry the surface to be coated, ensuring it's free from dust, grease, soap, deteriorated paint, etc. Before applying Industrial microcement, proper preparation is crucial, tailored to its specific conditions. Depending on the substrate type and condition, Primacem® PLUS primers may be required for non-absorbent surfaces or Primacem® ABS for absorbent ones, as well as moisture barriers against capillarity or vapor using Primapox® Barrier. Topciment recommends Primacem® PLUS for this system.

In any case, it's advised to apply the microcement while the primer still has tack (sticky to the touch) to ensure optimal adhesion. If the primer fully cures and loses tack (especially with epoxy-based primers), adhesion decreases, and peeling may occur. If the primer is dry, the surface needs sanding before applying microcement to restore anchorage.

For tiles and other coverings with joints, it will be necessary to fill these joints first with Primacem® JOINTER; for correct application, refer to the product technical sheet.

In all cases, strictly follow the technical advice provided by our specialists and consult the corresponding technical sheets for each product.

Application

Blend component A of INDUSTRIAL with mechanical stirring at low speed. Add component B and mix. The mix ratio is 100 parts of A to 11.6 parts of B. The working life of the mix (component A + component B) is 60 minutes at around 20°C.

Tint the resulting mix with the color toner of ARCOCEM® PLUS chosen from the INDUSTRIAL color palette. You can also tint component A first, then mix it with component B.

Spread and smooth the microcement in a thin layer using a polycarbonate trowel or a biflex steel trowel to avoid burn marks. Allow 8-12 hours for drying between layers. Apply two preparation layers (Industrial XL or Base) followed by two finishing layers (Industrial MEDIO or LISO). Sand each layer with grit 40 for preparation layers XL or Base, grit 80 for Industrial MEDIO, and grit 220 for Industrial LISO.

The trowel should be inclined at about 45° to the plane of the surface to prevent creating overly thin layers, which can cause dark spots in light colors, or overly thick layers, which would slow drying and potentially cause material to ooze. Do not apply wet on wet.

The drying time of each layer will depend on the environmental conditions at the time of application. At temperatures between 15-23°C, drying between layers can range from 8-12 hours. At temperatures between 23-35°C, drying can range from 4-6 hours. Humidity will also be a determining factor, as high humidity (>70% w/w) will slow down drying.

The final curing time will also depend on these environmental conditions, ranging from 7-14 days based on them. It's not recommended to apply at ambient and substrate temperatures lower than 15°C.

Industrial should be sealed 24-48 hours after applying the last coat. Sealing should not begin until the coating has a residual moisture content below 5%, which must be verified using specific moisture measurement instruments. For the sealing process, it is recommended to use a varnish from the Topsealer® range, with Topsealer WT Dragon being the most advanced and comprehensive product for floors. However, Topsealer WT All in One will be sufficient for use on walls that won't be exposed to moisture. It's crucial to strictly adhere to the application instructions detailed in the technical data sheets for each product.

Special Precautions

It's essential to follow the instructions on the container's label. For further information, consult the product safety data sheet.

Empty containers must be disposed of according to the current legal regulations.

Presentation

Available in packaging of:

- 18 Kg Comp. A + 2,09 Kg Comp. B
- 4,5 Kg Comp. A + 0,52 Kg Comp. B
- 1,8 Kg Comp. A + 0,21 Kg Comp. B

Tool Cleaning

Tools should be washed with soap and water immediately after use.

Storage Conditions

The product should be stored in its original, sealed container and protected from the elements at temperatures between 59°F and 86°F, in a dry and well-ventilated area, away from heat sources and direct sunlight. It can be used for up to 1 year from the date of manufacture if stored properly.



The product should not be used for purposes other than those specified, without first obtaining written instructions on its handling. It is always the user's responsibility to take appropriate measures to comply with legal requirements. Safety Data Sheets are available for professionals.

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