



INDUSTTRIAL



INDUSTTRIAL LISO Epoxy microcement

INDUSTTRIAL LISO is a two-component water-based epoxy microcement, especially designed as a finishing layer for walls.

Uses

High-performance microcement for interiors, designed as a continuous, thin-layer decorative finish without joints. Specially formulated for use on floors exposed to heavy wear, such as in shopping centers, restaurants, hotels, garages, warehouses. Cannot be installed over underfloor heating.

Properties

- Seamless continuous coating (always respect expansion joints).
- Specifically formulated as a preparation layer for walls and floors. Suitable for indoor renovations.
- Compatible with a wide range of surfaces like concrete, ceramic, tiles, plaster, and drywall...
- High durability, 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, allowing for a wide range of colors and personalized finishes to match 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

PROPERTIES MIX A+B (100:11.6)	SPECIFICATION	UNIT	METHOD
Performance	0.45	Kg/m ² (1 coat)	
Non-volatile content A+B	91-93	%	
COV's	<5	g/L	
Mix pot life	60	min	
Shore D hardness	50		EN ISO 868:2003-10
Sandpaper grain	220		
Drying time between coats	8-12	hours	
Application temperature	15-25	°C	
Curing time	7	days	

Surface Preparation

All surfaces must be leveled and solidified. It's essential to clean and dry the surface to be coated. It should be free from dust, grease, soaps, deteriorated paints, etc. Before applying Industrial microcement, a proper preparation of the substrate is imperative, tailored to its specific conditions. Depending on the type and condition of the substrate, Primacem® PLUS primers may be required on non-absorbent surfaces or Primacem® ABS on absorbent surfaces, as well as the application of moisture barriers for capillarity or vapor using Primapox® Barrier. Topciment recommends Primacem® PLUS for this system.

In any case, it is recommended to apply the microcement while the primer still has tackiness (sticky to the touch) to ensure optimal adhesion. If the primer fully cures and loses tack (especially in the case of epoxy-based primers), adhesion is reduced and detachment may occur. If the primer is already dry, the surface must be sanded before applying the microcement to regain anchorage.

For tiles and other coverings with joints, these joints must be sealed beforehand with Primacem® JOINTER; for correct application, see the product's technical sheet.

In all cases, the technical advice provided by our specialists must be followed rigorously, and the corresponding technical sheets of each product should be consulted.

Application

Homogenize component A of INDUSTRIAL using mechanical agitation at low speed. Add component B and mix. The mixing ratio is 100 parts of A to 11.6 parts of B. The pot life of the mixture (component A + component B) is 60 minutes at about 20°C.

Tint the resulting mixture with the selected ARCOCEM® PLUS color toner from the INDUSTRIAL color chart. You can also tint component A first and then mix with component B.

Spread and smooth out the microcement in a thin layer using a polycarbonate trowel or a biflex steel anti-burn trowel, and let it dry between layers for 8-12 hours. Apply two preparation layers (Industrial XL or Base), followed by two finishing layers (Industrial MEDIUM or SMOOTH). Sand each layer with 40-grit sandpaper for the XL or Base preparation layers, 80-grit for Industrial MEDIUM, or 220-grit for Industrial SMOOTH.

The trowel should be held at about a 45° angle to the substrate to avoid very thin layers that can cause burns leaving dark spots on light colors, or very thick layers which would delay drying and may cause excess material to seep out. Do not apply wet on wet.

The drying time for each layer depends on the environmental conditions at the time of application. At temperatures between 15-23°C, the drying between layers can range from 8-12 hours. At temperatures between 23-35°C, it may range from 4-6 hours. Ambient humidity will also be a critical factor, as higher humidity (>70% w/w) slows down the drying process.

The final curing time will also depend on these environmental conditions, ranging from 7 to 14 days accordingly. It's not recommended to apply at ambient and substrate temperatures below 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 of less than 5%, a value that must be verified using specific moisture measurement instruments. For the sealing process, a varnish from the Topsealer® range is recommended, with Topsealer WT Dragon being the most advanced and comprehensive product for floors. However, Topsealer WT All in One will suffice for use on walls not exposed to moisture. It's crucial to strictly follow the application instructions detailed in the technical sheets for each product.

Special Precautions

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

Empty containers should be disposed of in accordance with current legal regulations.

Presentation

Available in containers 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 water and soap immediately after use.

Storage Conditions

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



The product should not be used for purposes other than those specified, without first obtaining written handling instructions. 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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