



INDUSTTRIAL



INDUSTTRIAL MEDIO Epoxy Microcement

INDUSTTRIAL MEDIO is a two-component epoxy microcement based on water, specially designed as a finishing layer for floors.

Uses

High-performance microcement for interiors, designed as a seamless continuous coating with a decorative finish. Specially formulated for floors subject to high wear, like shopping centers, restaurants, hotels, garages, warehouses. Cannot be applied on radiant floors.

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, ceramics, tiles, plaster, and plasterboard...
- High hardness, excellent abrasion resistance, and low water absorption. More waterproof than conventional microcement systems.
- Ready-to-use product, easy to apply.
- Can be pigmented, allowing a wide range of colors and personalized finishes to match various 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	0.55	Kg/m ² (1 coat)	
Non-volatile contents A+B	91-93	%	
VOCs	<5	g/L	
Mix Pot Life	60	min	
Shore D Hardness	53		EN ISO 868:2003-10
Sandpaper Grit	80		
Drying Time Between Coats	8-12	hours	
Application Temperature	15-25	°C	
Curing Time	7	days	

Certifications

Applied system: 1 layer of PRIMACEM BARRIER + 2 layers of INDUSTTRIAL XL + 2 layers of INDUSTTRIAL MEDIO + 2 coats of TOPSEALER wt Dragon

CE Marking Tests according to harmonized standard EN 1504-2:2004	Performance	Test in accordance with the harmonized standard
Determination of liquid water permeability	w = 0.0026 kg/(m ² h05) W3	UNE-EN 1062-3:2008
Determination of water vapor permeability	SD 10.8334 (m) Class II	UNE- EN ISO 7783:2019
Determination of direct tensile adhesion	1.6 MPa (Rigid systems with traffic loads)	UNE-EN 1542:2000
Determination of carbon dioxide permeability	SD (m) = 520.8930 ± 28.46	UNE-EN 1062-6:2003
Determination of abrasion resistance	113 mg	UNE-EN ISO 5470-1:2017

Support Preparation

All surfaces must be leveled and consolidated. It's essential to clean and dry the surface to be coated. Ensure it is free from dust, grease, soaps, deteriorated paints, etc. Before applying Industrial microcement, it's crucial to properly prepare the support, tailored to its specific conditions. Depending on the type and condition of the substrate, the use of Primacem® PLUS primer on non-absorbent surfaces or Primacem® ABS on absorbent surfaces may be required, along with moisture barriers against capillarity or vapor using Primapox® Barrier. Topciment recommends Primacem® PLUS primer for this system.

In any case, it is advised to apply the microcement while the primer still has tack (stickiness to the touch) to ensure optimal adhesion. If the primer cures completely and loses its tack (especially in the case of epoxy-type primers), adhesion is reduced and detachments may occur. If the primer is already dry, it is necessary to sand the surface before applying the microcement to restore anchorage.

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

In all cases, it is crucial to rigorously follow the technical advice provided by our specialists and consult the corresponding technical data sheets for each product.

Application

Evenly blend INDUSTRIAL component A using low-speed mechanical stirring. Add component B and mix. The mixing ratio is 100 parts of A to 11.6 parts of B. The mixture's lifespan (component A + component B) is 60 minutes at about 20°C.

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

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

The trowel should be angled at about 45° to the surface to avoid creating very thin layers that can cause burn marks in light colors or overly thick layers that slow drying and might lead to residual material seeping 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, drying between layers can range from 8-12 hours. At temperatures of 23-35°C, drying can range from 4-6 hours. High humidity (>70% w/w) will also slow down the drying process.

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

Industrial should be sealed 24-48 hours after applying the final coat. Do not start sealing until the coating's residual moisture content is below 5%, as verified with specific moisture measurement tools. For sealing, use a varnish from the Topsealer® range, with Topsealer WT Dragon recommended for floors as it's the most advanced and comprehensive product in the line. However, Topsealer WT All in One is sufficient for walls not exposed to moisture. It's crucial to strictly follow the application instructions provided in each product's technical datasheet.

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 must be disposed of in accordance with current legal regulations.

Presentation

Available in packages 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

Clean tools with soap and water immediately after use.

Storage Conditions

Store the product in its original, sealed container, protected from the elements at temperatures between 15°C and 30°C, in a dry and well-ventilated area, away from heat sources and direct sunlight. If stored correctly, the product remains usable for 1 year from its manufacturing date.



The product should not be used for purposes other than those specified, unless written instructions on handling are provided. It is always the user's responsibility to take appropriate measures to comply with legislative requirements. Product Safety Data Sheets are available to professionals.

Last updated: September 2025