

**Living Concrete MICROCEMENT** data sheet

PRODUCT		MICROCEMENT
<b>Description</b>		<p>Micro Cement is a coloured cementitious layer, 1-2 mm thick. It allows for the renovation of existing floors, such as ceramic tiles, mosaics or for the replacement of wall-to-wall carpets that are difficult to clean with a good-taste and easy-to-maintain product in a short time. Rooms may be renovated without the mess, dirtiness and cost of traditional works</p>
<b>Advantages &amp; Possibilities</b>		<p>No need to remove existing coatings. In most cases, Micro Cement may be applied over existing floors. - It may be applied over floors and walls, due to its high adherence.</p> <ul style="list-style-type: none"> <li>- Fit to be applied indoors and outdoors. Outdoors, it may be applied in pathways, patios, porches, etc. Indoors, it has several different applications: in houses, over tile floors, walls and furniture to renovate all rooms completely or create them according to your home's needs; in offices and stores, given that the material is fit for peak-load traffic.</li> <li>- The application should be made exclusively by trained and qualified staff to preserve the product's quality.</li> <li>- Quick application: up to 50m a day.</li> <li>- Quick transit: in a few hours.</li> <li>- No joints required, with a complete freedom to create your own designs.</li> <li>- 20 basic colours that may be combined. Special colours may be prepared on demand.</li> <li>- It may be combined with decorative bands of several materials: wood, ceramic, stainless steel, etc.</li> <li>- Finishing by sanding, with a smooth look.</li> <li>- Easy and minimal maintenance: wet cloth and waxes.</li> </ul>

<b>Basic Features</b>	<b>Thickness</b>	From 1 to 2 mm
	<b>Uses</b>	Residential, Commercial, Indoor & Outdoors.
	<b>Surfaces</b>	Floors, Walls, Stairs, Countertops, furniture.
	<b>Colours</b>	34 colours - EDFAN Chart
<b>Installation</b>	<b>System Composition</b>	4 components: MC Powder + Concentrated Liquid + Water Based Sealer + Acrylic Wax.
	<b>Substrate</b>	It should be firm and free of moisture - There cannot be ascending or negative moisture - It should not crack - Mortars, ceramics, porcelain, mosaics, concrete, screed and marble.
	<b>Substrate Conditioning</b>	Remove all loose items - Level with Gross Powder (EDFAN levelling mortar) if necessary- Remove wax - Its always recommend to sand and vacuum the substrate - In case of graining substrates apply use Acrylic Solvent Sealer or Resifan E primer depending on the case - Saw cracks with Resifan E - On risky bases use Resifan + Mesh System.
	<b>Mixing and Tools</b>	Mix with low speed drill. Required tools: Hand trowel, Spatula, sandpaper, Vacuum, Electric Drill Mixer, Spray Gun, varnish pad, clean buckets
	<b>Mix Proportions</b>	2,8 to 3,2 parts of MC Powder x 1 part of Concentrated Liquid
	<b>Installation Method</b>	In a Clean bucket place 1 part of concentrated liquid - Gradually add the powder to achieve the desired consistency and mix for 5 minutes- Apply with trowel on

		the surface to be coated - Let dry until its ready to be sanded, sand and vacuum - Apply a second coat and let dry completely before sanding - Allow to dry and harden for at least 24 to 72 hours before sealing - Vacuum the surface and apply Acrylic sealer with spray gun and Varnish Pad - Allow two hours to dry- Before applying the second coat of sealer sand and vacuum - Let dry for 2 hours, sand and vacuum again - Apply acrylic wax - Wait 2 hours before the second coat of wax
	<b>Tools Cleaning Guide</b>	Clean all the tools with water. Do not throw the water with cement traces to the drain.
	<b>Installation Conditions</b>	The atmosphere must be dry - It cannot rain or drizzle during the installation and before 48 hrs after sealing - Avoid night dew in exterior installations.
	<b>Substrate Temperature</b>	Between 10 °C y 25 °C
	<b>Room Temperature</b>	Between 5 °C y 30 °C

	<b>Humidity</b>	Maximum 5% (substrate moisture - no ascending moisture)
	<b>Consume</b>	0,28 gal MC Powder + 0,12 gal Concentrated Liq + 0,10 Ltr Water Based Sealer + 0,05 Its Wax
<b>Maintenance</b>		Clean with neutral soap and mop - Do not use abrasive materials to clean spot and stains - Apply EDFAN wax maintainer weekly - Apply Wax periodically depending on the use - Clean thoroughly before sealing or waxing - Use rubber protectors for furniture and chairs - Do not drag furniture and chairs without protections - Do not leave standing

		<p>water on the surface - For outdoors periodically apply sealer according to use - Remove the old wax and apply a new one periodically (annually) depending on the use - Clean spilled liquid before they dry - Do not wax bathrooms floorings and outdoors - Place mats at exterior entrances - For countertops and furniture using silicone maintainers - it is recommended to wash with water bristle brush machine.</p>
<b>Technical Features</b>	<b>Dry to touch</b>	from 1 to 2 hours
	<b>Dry to transit</b>	24hrs
	<b>Recoating Time</b>	Between 2 and 5 hours
	<b>Total Coats</b>	Minimum 2
	<b>Total Time</b>	72 hrs
	<b>Adhesiveness</b>	0,28 N/mm <sup>2</sup> , test UNE-UN 13892-8
	<b>Abrasion</b>	N/D
	<b>Surface Hardness</b>	137 N/mm <sup>2</sup> , test 13892-6
	<b>Water Absorption</b>	1 hour: 0,28 ml- 2 hours: 0,33 ml - 3 hours: 0,42ml- 4 hours: 0,47 ml, Test UNE-EN 1323
	<b>Impact Resistance</b>	9,6 mm, other defects not observed
	<b>Slip Resistance</b>	15, test UNE ENV 12633

	<b>Stripe Resistance</b>	Hardness 2, test UNE 67.101
	<b>Pot Life at 25 degree</b>	20 minutes

	<b>Fire Resistance</b>	Class A2 <sub>Fi</sub> s1
<b>Storage Conditions</b>		Keep closed in original container in a dry and fresh environment
<b>Shelf Life</b>		6 Months in a closed container
<b>Sales Formats</b>		Powder 2,5 and 5 GAL - Concentrated Liquid 2,5 and 5 gal - Water Based Sealer 5 litres and Wax 5 litres
<b>Safety and Health</b>		In case of spilling, clean with an absorbent material such as sawdust or sand. Do not discharge into drains, rivers or canals. Avoid contact with skin or eyes. Do not eat. Dirty Liquids .In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact with skin, wash thoroughly with soap and water. If ingested, seek immediate medical attention. Do not induce vomiting. Wear gloves and goggles when handling and applying the product
<b>Personal Protection</b>		Preventive measures: Wash your hands before eating or drinking. Respiratory Tract: In open spaces, special protection is not required. In closed enclosures, provide fresh air with a system of appropriate ventilation. Use breathing mask. Skin: In case of sensitive skin use gloves. Eyes: Use safety goggles during installation.

<b>Legal Note</b>		<p>The information and recommendations in this document are provided by Living Concrete Ltd /EDFAN in good faith and with the experience and data obtained so far. In any case Living Concrete Ltd / EDFAN is responsible for the use of this information. Living Concrete Ltd / EDFAN can change the data and information herein without notice as well as the properties and uses of the product or system described</p>