



## TECHNICAL DATA SHEET

System   Product		MicroBeton
		Rev 7/16
<b>Description</b>		MicroBeton is a thin continuous smooth cement with color (2 to 3 mm). It is ideal for environments where one is looking for a MicroCement finish, but with a more hardness, such as shops and exteriors. It is applicable on all types of hard surfaces. Just like MicroCement, it can be applied on floors, walls, stairs, furniture and other, both indoors and outdoors. It does not require gaskets, so continuous surfaces can be achieved.
<b>Advantages and Possibilities</b>		<p>One of the biggest advantages of MicroBeton is that it can be applied over existing lining such as ceramics, mosaics, marble and tiles. It allows you to, in no time at all, renovate space without suffering from disorder, dirt, and the cost of traditional construction work. You can renovate hotel rooms or apartments without construction work. It has more slip resistance than MicroCement and a better smooth cement finish.</p> <ul style="list-style-type: none"> <li>• Applicable on ceramic, porcelain, marble, mosaics and tiles (without the need to break)</li> <li>• It has a similar look to that of smooth concrete, but with little thickness</li> <li>• Suitable for places with high traffic</li> <li>• Bathrooms, kitchens, and all rooms in the house</li> <li>• Allows for in-sight concrete renovation</li> </ul>
<b>Basic Features</b>	<b>Thickness</b>	2 to 3 mm
	<b>Uses</b>	Residential, Commercial, Industry. Indoor & Outdoor.
	<b>Surfaces</b>	Floors, Walls, Stairs, Countertops, furniture.
	<b>Colours</b>	34 Colours - EDFAN Chart



<b>Installation</b>	<b>System Composition</b>	4 components: MB 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 leveling 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>	3 to 3,5 parts of MB 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 hs after selling - 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>	0,35 gal MB Powder + 0,14 gal Concentrated Liq + 0,10 Ltr Water Based Sealer + 0,05 lts Wax
<b>Protection</b>		
<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 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.
<b>Technical Features</b>	<b>Dry to touch</b>	1 to 2 hours
	<b>Dry to transit</b>	24hs
	<b>Recoating Time</b>	Between 0,25 and 2 hours



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	<b>Total Coats</b>	Minimum 2
	<b>Total Time</b>	72 hs
	<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 Absortion</b>	1 hour: 0,20 ml- 2 hours: 0,30 ml - 3 hours: 0,38ml- 4 hours: 0,45 ml, Test UNE-EN 1323
	<b>Impact Resistance</b>	11,6 mm, other defects not observed, test UNE-EN ISO 6272
	<b>Slip Resistance</b>	15, test UNE ENV 12633
	<b>Stripe Resistance</b>	N/D
	<b>Type</b>	N/D
	<b>Density</b>	N/D
	<b>Solids</b>	N/D
	<b>Pot Life at 25 degree</b>	20 minutes
	<b>VOC</b>	
	<b>Fire Resistance</b>	Calss 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 and 1 liters - Wax 5 and 1 liters - Kit 5 and 18 m2
<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 security goggles during installation.
<b>Legal Note</b>		The information and recommendations in this document are provided by EDFAN in good faith and with the experience and data obtained so far. In any case EDFAN is responsible for the use of this information. EDFAN can change the data and information herein without notice as well as the properties and uses of the product or system described