

# Microcemento X2

## Decorative Microcement Polymer Modified Coat

<b>Description</b>	<b>Microcemento X2</b> is a one component polymer-modified colored, cementitious microcement that can be applied by trowel on horizontal and vertical surfaces to create a seamless concrete look.
<b>Where to use</b>	<ul style="list-style-type: none"> <li>• Floors in flats, restaurants, offices, etc</li> <li>• Decorative walls in various designs</li> <li>• Can be applied indoors and outdoors</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Easy to use, pre-packed in a convenient and easy-to-handle pack</li> <li>• Easy to apply by trowel application</li> <li>• Suitable for both horizontal and vertical backgrounds</li> <li>• Excellent adhesion to the porous and non-porous concrete, masonry, tiles, marble, wood substrates, as it penetrates deep into pores, bonds tenaciously, and becomes part of the surface</li> <li>• Seamless and continuous covering without joints</li> <li>• Excellent over-coating properties with other specialty membranes in <b>PROKEM</b> range to provide further protection and aesthetic quality</li> <li>• Good abrasion resistance</li> <li>• Excellent weathering resistance</li> <li>• Prevent build-up of water vapor but seal the surface against water penetration</li> <li>• Durable, Lasts as long as the concrete</li> <li>• Non-toxic</li> <li>• Breathable</li> <li>• Tadelakt effect</li> <li>• Endless patterns, textures, designs</li> <li>• Infinite combination of colors</li> </ul>
<b>Properties</b>	
Density	0.95 – 1 gm /cm <sup>3</sup>
Pot life @ 23 °C	10 – 20 minutes
Bond Strength	1.1 – 1.2 N/mm <sup>2</sup>
Compressive Strength	31 – 32 N/mm <sup>2</sup>
Flexural Strength	11 – 12 N/mm <sup>2</sup>
Tensile Strength	19 – 20 N/mm <sup>2</sup>
Water Permeability	2 – 3 Bar
<b>Surface Preparation</b>	<p><b>Wall Application:</b></p> <ul style="list-style-type: none"> <li>• Remove all damaged, weak and contaminated substrate to reach a sound core</li> <li>• Cracks in concrete should be repaired with <b>kemrepair</b> products</li> <li>• Prime the substrate in a full coverage with suitable primer according to the surface type</li> </ul> <p><b>Floor Application:</b></p> <p>The previous applied surface of <b>Microcemento X1</b> must be clean, sound, dry and free from any contaminations</p>



Mixing	<ul style="list-style-type: none"> <li>• Slowly add the 20 Kg powder <b>Microcemento X2</b> to water in a suitable mixing container and mix using a drill paddle specially designed to entrap as little air as possible, mix until a lump-free smooth consistency is obtained</li> <li>• Use a ratio of 2 powder:1 clean water when applied by trowel</li> <li>• Leave to stand for 5 – 10 minutes and re-mix using a drill paddle specially designed to entrap as little air as possible</li> </ul>
Application	<ul style="list-style-type: none"> <li>• On floors; apply while the base layer coat of <b>Microcemento X1</b> is still wet</li> <li>• Over walls; do not apply <b>Microcemento X2</b> as a thin paint coat, lay it on the wall and level it out</li> <li>• When applied in several layers, allow each layer to dry for a minimum 3 to 4 hours</li> <li>• Allow to cure for a minimum 24 hours before sealing with top coats</li> <li>• Each layer thickness is 1 mm</li> </ul>
Cleaning	Tools and equipment are to be cleaned with hot water immediately after use.
Theoretical coverage	1 Kg/m <sup>2</sup> /1mm thickness
Packaging	20 kg Sacks
Shelf Life & Storage	<b>Microcemento X2</b> has a shelf life of 12 months if kept in original, undamaged packaging in a dry warehouse.
Health and Safety	<ul style="list-style-type: none"> <li>• Use gloves and a breathing mask when applying</li> <li>• Apply forced ventilation in confined spaces</li> <li>• Skin splashes to be removed with hand cleanser, soap, and water</li> <li>• Eye splashes are to be removed with plenty of water</li> </ul> <p>If ingested, drink milk and plenty of water then seek medical advice</p>
Additional Information	<p><b>PROKEM</b> provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.</p> <p><b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction.</p> <p><b>PROKEM</b> reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale &amp; delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.</p> <p><b>PROKEM</b> extends technical services to include after sales support to assist users in a proper handling of our products.</p>