

# Microcemento X5

Solvent – Free, Flexible, Hygienic Aliphatic Polyurethane Finishing Coat

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| Description                                                                     | A solvent free, two components Aliphatic isocyanate cured flexible polyurethane resin forming a weatherproof, UV resistant, hygienic finish coat. It complies with <b>ASTM C267, D5895, 522, 4587, G153, 154</b>                                                                                                                                                                                                                                              |
| Where to use                                                                    | <b>Microcemento X5</b> is used as an attractive easy to clean protective coating on top of <b>Microcemento®</b> systems                                                                                                                                                                                                                                                                                                                                       |
| Advantages                                                                      | <ul style="list-style-type: none"> <li>• Solvent –free &amp; Hygienic</li> <li>• Excellent adhesion to most substrates</li> <li>• Excellent weather resistance</li> <li>• UV stable 100%</li> <li>• Flexible, waterproofing membrane</li> <li>• High abrasion resistance</li> <li>• Chemical resistance to petrol, oils, solvents and acids</li> <li>• Temperature resistance: - 40 °C /+ 120 °C</li> </ul>                                                   |
| Properties                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Density                                                                         | 1.3 ±0.05 Kg/cm <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pot life @ 23 °C                                                                | 50 minutes                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Time to recoat @ 23 °C                                                          | 6 Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Full cure @ 23 °C                                                               | 7 Days                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Elongation%                                                                     | 25%                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tensile strength                                                                | 7 N/mm <sup>2</sup> a fully UV stable                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Colors                                                                          | Range of colors is available                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UV- Resistance/50 Hours<br>UV- Resistance/200 Hours<br>UV- Resistance/500 Hours | No effect & no cracks                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Surface Preparation                                                             | <ul style="list-style-type: none"> <li>• The previous applied surface of <b>Microcemento X2</b> must be clean, sound, dry and free from any contaminations</li> <li>• All loose particles and residues must be removed to provide a clean, dry and sound surface</li> </ul>                                                                                                                                                                                   |
| Mixing                                                                          | <ul style="list-style-type: none"> <li>• Stir well components (A&amp;B) individually before mixing</li> <li>• Add component (B) to component (A) and mix thoroughly until a homogeneous mix is obtained</li> </ul>                                                                                                                                                                                                                                            |
| Application                                                                     | <ul style="list-style-type: none"> <li>• The previous applied surface of <b>Microcemento X2</b> can be primed with Sealer <b>E43</b></li> <li>• <b>Wetseal</b> primer if moisture exceeded 4% and leave to dry overnight</li> <li>• Apply the coating with a roller, brush and airless spray to a uniform finishing in one direction</li> <li>• Apply a second coat in perpendicular direction to the first coat and make sure all area is covered</li> </ul> |
| Cleaning                                                                        | Tools should be cleaned immediately after use <b>Prosolve PU</b>                                                                                                                                                                                                                                                                                                                                                                                              |

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| Theoretical coverage   | 0.26 Kg/m <sup>2</sup> at D.F.T 200 microns/coat<br>2 coats are recommended                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Packaging              | <ul style="list-style-type: none"> <li>• 5 Kg Pails (A&amp;B)</li> <li>• 20 Kg Pails (A&amp;B)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shelf life & Storage   | 6 months if stored in their unopened containers in cool, dry condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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> <li>• If ingested, drink milk and plenty of water then seek medical advice</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 the proper handling of our products.</p> |