

Microcemento X1

Single Component Cement-Base, Microcement Polymer Modified Base Coat

Description	Microcemento X1 is a cement-base polymer-modified base coat designed to create a seamless surface on top of the prepared substrate prior to the application of Microcemento X2 . It has been formulated to be applied as a continuous coating on a minimal thickness over floors.
Where to use	Base layer for subsequent Microcemento layers
Advantages	<ul style="list-style-type: none"> • Excellent adhesion to any surface • Suitable for horizontal applications • Special grade for vertical application • Seamless and continuous covering without joints • Easy to use & clean application • Excellent weathering resistance • Breathable • Economic since it can be applied without the need of expensive form work • Water repellent
Properties	
Density	1.35 – 1.4 gm /cm ³
Pot life	20 – 30 Minutes
Setting time	180 minutes – Initial 250 minutes – Final
Adhesion strength to concrete	1.5 – 2 N/mm ²
Surface Preparation	<ul style="list-style-type: none"> • Never bridge an expansion joint • Remove all damaged, weak and contaminated substrate to reach a sound core • Cracks in concrete should be repaired with kemrepair products • Prime the substrate in a full coverage with suitable primer according to the surface type – please consult Prokem’s technical team
Mixing	<ul style="list-style-type: none"> • The water content should be accurately measured in the mixer • Mixing ratio: Microcemento X1: Clean water as 4:1 PBW • Slowly add the Microcemento X1 powder to the mixer container • Mix continuously for 2 minutes using a low-speed mixer to a batter consistency
Application	<ul style="list-style-type: none"> • The mortar should be applied to the surface with a metal trowel into place to ensure positive adhesion • The thickness of each layer should not exceed 1 – 2 mm • Embed Fibermesh in the first layer of Microcemento X1 while it is still wet and before it dries • It’s highly preferred to work subsequent system layers while still tacky • If it dries; a new coat is recommended so work can carry on wet on wet basis

Cleaning	Tools and equipment are to be cleaned with hot water immediately after use
Theoretical coverage	1.35 – 1.4 Kg/m ² /1mm thickness
Packaging	20 Kg
Shelf Life & Storage	Microcimento X1 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"> • Use gloves and a breathing mask when applying • Apply forced ventilation in confined spaces • Skin splashes to be removed with hand cleanser, soap, and water • Eye splashes are to be removed with plenty of water • If ingested, drink milk and plenty of water then seek medical advice
Additional Information	<p>PROKEM 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>PROKEM 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>PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & 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>PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.</p>