

## TECHNICAL DATA SHEET

## JS Polymer Waterproof Coating (Two-Component)

## Product Description

Two-component, polymer-cement based waterproof coating consisting of liquid polymer emulsion (Component A) and cementitious powder (Component B). Combines the flexibility of polymer coating with the durability of cement-based systems. Excellent adhesion to wet surfaces and can be tiled directly without additional preparation. Environmentally friendly, non-toxic.

## Technical Properties

Property	Value
Components	A: Polymer emulsion + B: Cement powder
Mix Ratio (A:B)	1:0.8 - 1:1.2 (by weight)
Appearance (Mixed)	White / Grey paste
Solid Content	$\geq 70\%$ (mixed)
Tensile Strength	$\geq 1.2$ MPa
Elongation at Break	$\geq 200\%$ (Type I) / $\geq 80\%$ (Type II)
Bonding Strength	$\geq 1.0$ MPa
Water Impermeability	0.3 MPa, 30 min, no leakage
Low Temperature Flexibility	-20 deg C, no cracking
Pot Life	Approx. 2 hours (23 deg C)
Drying Time (Surface)	Approx. 3 hours (23 deg C)
Coverage Rate	1.5 - 2.5 kg/m <sup>2</sup> per coat
Recommended Coats	Minimum 2 coats

## Recommended Applications

- Bathrooms, kitchens, and wet areas (under tile)

- Swimming pools

## Surface Preparation

Surface must be clean, structurally sound, and free of loose particles, oil, and grease. Pre-wet porous concrete surfaces until saturated surface-dry (no standing water). Fill large cracks and holes with cement mortar and allow to cure. No separate primer required.

## Application Method

Mix Component B (powder) into Component A (liquid) and stir until smooth, lump-free consistency. Do not add water. Use within 2 hours of mixing. Apply by brush or roller. First coat at 1.0-1.5 kg/m<sup>2</sup>, allow to dry 3-6 hours. Apply second coat perpendicular to first at 1.0-1.5 kg/m<sup>2</sup>. For wet areas, apply minimum 3 coats. Allow full cure (7 days) before tiling or prolonged water exposure. Do not apply below 5 deg C or above 35 deg C.

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#### Storage & Shelf Life

Store Component A and B separately in original sealed containers at 5-35 deg C. Protect Component A from frost. Shelf life: 12 months (A) and 18 months (B) from date of manufacture. Do not pre-mix.

#### Health & Safety

Low toxicity, low odor. Cement component is alkaline - wear protective gloves to prevent skin irritation. Wear safety glasses. In case of eye contact with cement powder, rinse immediately with water for 15 minutes. Ensure ventilation in enclosed spaces.

#### Standards & Compliance

GB/T 23445-2009 (Polymer Cement Waterproof Coating)

JC/T 984-2011 (JS Waterproof Coating)

Compliant with REACH and RoHS requirements

*Disclaimer: The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is the responsibility of the user to ensure suitability for their specific application. Fansen recommends on-site testing before large-scale use. Values shown are typical results from laboratory testing and should not be taken as specifications.*