

# FDS104 Concrete Sealer - Product Manual (English)

## 1 Overview

FDS104 is a high-performance water-based silane repellent for unsealed concrete, brick, stone, and masonry. This silicone hydrophobic agent offers lasting moisture-proofing and anti-seepage without rebar corrosion, while staying breathable. Clear and odorless, it penetrates below the surface no film, no change to look, color, or texture reducing water absorption by 80%-95%. This minimizes damage from water, snow, ice, salts, mold, mildew, and algae.

## 2 Applications

- Waterproofing, anti-seepage, anti-fouling, color retention, and weathering for brick walls, veneers, stone facades, and tiles no color alteration.
- Protection for concrete pavements, insulation, granite, warehouses, roofs, marbles, and masonry against moisture, freeze-thaw, salts, and growths.

## 3 Key Features

1. **Superior Waterproofing:** Prevents leaks, seepage, pollution, weathering, efflorescence, freeze-thaw, mildew, and moss; cuts water absorption 80%-95% to reduce water/snow/ice/salt damage.
2. **Strong Breathability:** Allows vapor escape, avoiding bubbles/cracks/peeling/mold; subsurface action preserves original appearance.
3. **Anti-Moisture/Anti-Mildew:** Keeps surfaces dry in humidity; enhances coating durability; prevents tile swelling, moss/mold/mildew/algae.
4. **Durable Anti-Pollution/Weathering:** Deep penetration resists UV/aging; self-cleans with rain; maintains colors, corrosion-resistant.

## 4 Product Details

### 4.1 Performance Specs

JC/T902-2002 compliant. Water Absorption Ratio  $\leq 20\%$  (reduces 80%-95%).

Item	Index
Solid Content %	$\geq 20$
Stability	No layering/oil/settling
Water Absorption Ratio %	$\leq 20$ (80%-95% reduction)
Permeability (All Treatments)	$\geq 2\text{mm}$ , No marks/discoloration

## 5 Packaging & Storage

- 20kg plastic drums; 1-year shelf life.
- Store cool, dry, ventilated; avoid sun/moisture.

## 6 Construction Guidelines

- **Spraying:** For wall leaks or cement-mixed mortar.
- **Application:** Water-based, safe; dilute, spray/brush on dry surfaces (2 coats); 4-5 sqm/kg; subsurface, no visual change.
- **Prep:** Clean dust/moss; repair cracks.
- **Curing:** 24-hour effect (better in week); avoid rain 24 hours; not below 4°C; longer in winter.