

TECHNICAL DATA SHEET

Sand Fixing Agent / Interface Agent

Product Description

High-penetration polymer bonding agent designed to consolidate loose, sandy, or powdery concrete and mortar surfaces. Penetrates into the substrate and polymerizes to bind loose particles, significantly increasing surface hardness and bonding strength. Used as a surface preparation treatment before applying waterproof coatings, paints, or tile adhesives to ensure optimal adhesion and prevent coating failure.

Technical Properties

Property	Value
Appearance	Milky white to translucent liquid
Solid Content	$\geq 18\%$
Viscosity	10 - 50 mPa.s (low viscosity for deep penetration)
Penetration Depth	$\geq 5\text{mm}$ (on powdery surface)
Surface Hardness Increase	$\geq 200\%$ (pencil hardness test)
Bonding Strength Improvement	$\geq 150\%$ vs untreated surface
Drying Time	Approx. 2 hours (23 deg C)
Recoat Time	≥ 4 hours (before applying topcoat)
Coverage Rate	0.15 - 0.30 L/m ²
Recommended Coats	1 - 2 coats
Service Temperature	-20 deg C to +80 deg C

Recommended Applications

- Consolidating weak, powdery, or sandy concrete surfaces before coating

- Pre-tre

Surface Preparation

Remove all loose material, dust, and debris by brushing or vacuuming. Remove oil, grease, and wax with suitable cleaner. Surface should be dry. Do not apply on surfaces that are structurally unsound (delaminating in layers).

Application Method

Ready to use - do not dilute. Stir gently before use. Apply by brush, roller, or low-pressure spray. Apply generously to saturate the surface without pooling. For very weak surfaces, apply two coats - allow first coat to dry (2-4 hours) before applying second. Allow treated surface to dry completely (minimum 4 hours, preferably 12 hours) before applying waterproof coating or other topcoat. Treated surface should feel firm and non-dusty to touch.

Storage & Shelf Life

Store in original sealed containers at 5-35 deg C. Protect from frost. Shelf life: 18 months from date of manufacture. Keep tightly

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sealed when not in use.

Health & Safety

Water-based, low toxicity, low odor. Wear protective gloves during use. Avoid eye contact. In case of eye contact, rinse with clean water. Ensure ventilation in enclosed spaces. Keep out of reach of children.

Standards & Compliance

JG/T 157-2009 (Interface Agent for Building)

JC/T 907-2002 (Concrete Interface Treatment Agent)

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.