

TECHNICAL DATA SHEET

Full-Effect Transparent Waterproof Sealant

Product Description

High-performance transparent waterproof sealant based on modified polymer emulsion technology. Dries completely clear and invisible, providing long-lasting waterproof protection without altering the appearance of the substrate. Ideal for tile surfaces, natural stone, exterior walls, glass curtain walls, and decorative surfaces where aesthetics must be preserved.

Technical Properties

Property	Value
Appearance	Milky white liquid, dries transparent
Solid Content	$\geq 45\%$
Viscosity	500 - 2000 mPa.s
Tensile Strength	≥ 0.8 MPa
Elongation at Break	$\geq 200\%$
Bonding Strength	≥ 0.6 MPa (on ceramic tile)
Water Impermeability	0.2 MPa, 30 min, no leakage
UV Resistance	1000h accelerated aging, no yellowing
Service Temperature	-20 deg C to +80 deg C
Drying Time (Surface)	Approx. 2 hours (23 deg C)
Drying Time (Full Cure)	Approx. 12 hours (23 deg C)
Coverage Rate	0.2 - 0.4 kg/m ² per coat
Recommended Coats	2 - 3 coats

Recommended Applications

- Ceramic tile and mosaic surfaces (bathroom, kitchen, balcony)

- Natural stone

Surface Preparation

Surface must be clean and free of dust, oil, mold, and loose material. For tiled surfaces, clean grout lines thoroughly. Surface can be slightly damp but no standing water. No primer required on most substrates. For powdery or chalky surfaces, apply a diluted first coat (product:water = 1:1) as primer.

Application Method

Stir well before use. Apply by brush, roller, or low-pressure spray. For tile surfaces, apply along grout lines first, then cover the entire surface. Apply 2-3 thin coats rather than one thick coat. Allow each coat to dry (approx. 2-4 hours) before applying the next. Product dries completely transparent within 12 hours. Do not apply in direct sunlight on hot surfaces (above 40 deg C) or when rain is expected within 6 hours.

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Storage & Shelf Life

Store in original sealed containers at 5-35 deg C. Protect from frost. Shelf life: 18 months from date of manufacture in unopened containers. Once opened, reseal tightly and use within 60 days.

Health & Safety

Water-based, non-toxic, low odor. Safe for indoor use. Wear protective gloves during prolonged use. Ensure ventilation in enclosed spaces. In case of eye contact, rinse with clean water. Keep out of reach of children.

Standards & Compliance

JC/T 1018-2006 (Waterproof Coating for Exterior Wall)

GB/T 23445-2009 (Polymer Emulsion 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.