

Sino-Sina Building Materials Co., Ltd

JGN806 Crack Sealing Adhesive Technical Data Sheet

Product Description

JGN806 is a two-component modified epoxy resin adhesive for sealing concrete cracks, repairing surface defects, and providing structural strengthening and leveling.

Applications

- Repairing high-strength concrete surface defects and pits.
- Leveling concrete surfaces for carbon fiber or steel reinforcement.
- Anti-corrosion, anti-carbonization, waterproofing for bridges and concrete.
- Decorative protection and crack closure on concrete surfaces.

Features and Benefits

- High workability for easy painting and scraping.
- Strong initial viscosity with no flow.
- Excellent strength and bonding to concrete.
- Good resistance to aging and medium corrosion.
- Matches concrete color; cures at ambient temperature.
- No volatile solvents; minimal shrinkage.
- Bonds on wet surfaces, stronger on dry.
- Flexible A:B ratio; non-toxic and easy to use.

Technical Data

Conforms to Category I Grade A Adhesive per GB50278-2011.

Performance Properties

Test Items	Test Condition	Technical Requirements
Verticality (mm)	Applicable temperature	2.0
Applicable Period (min)	Applicable temperature	35
Density (g/cm ³)	A+B	-
Tensile Strength (MPa)	23±2℃, 7 days	30
Tensile Elastic Modulus (GPa)	23±2℃, 7 days	3.2
Elongation (%)	23±2℃, 7 days	1.2
Tensile Bending Strength (MPa)	23±2℃, 7 days	45
Compressive Strength (MPa)	23±2℃, 7 days	65
Steel-Steel Tensile Shear Strength (MPa)	23±2℃, 7 days	15
Steel-Concrete Positive Tensile Bond Strength (MPa)	23±2℃, 7 days	2.5, cohesive failure of concrete
Non-Volatile Content (%)	105±2℃	99

Packaging and Storage

- Packaging: Component A: 15kg/drum; Component B: 5kg/drum.
- Shelf Life: 12 months in a cool, dry place.

Application Instructions

1. Mix A and B in a clean container per ratio until uniform; use knife for small amounts or mixer for larger.
2. For wet environments, remove water film; prefer dry surfaces for best adhesion.
3. For protection: Grind surface to expose aggregates; scrape 2-5mm thick.
4. For defects: Remove loose concrete; apply as needed, dilute with primer if required.
5. For cracks: Expand joints if needed before sealing.
6. Also for sealing gaps or nozzles in steel plates or crack repairs.
7. Cures to exceed concrete strength in 12-24 hours at 25℃.

Safety Precautions

Wear protective gear. Avoid skin/eye contact. Store away from heat.

Contact Information

Website: www.zrete.com

Email: info@wcrete.com

Phone: +86 15373872353