



InjecSeal 200

Two-Component Low Viscosity Epoxy Injection Material

Product Description

InjecSeal 200 is a solvent-free, two-component epoxy resin system designed for structural injection applications. Its low viscosity ensures deep penetration into fine cracks and voids, providing durable bonding and sealing for concrete and masonry substrates.

Product uses:

- **Structural Crack Injection:** Restoring integrity of concrete elements by filling and bonding fine cracks.
- **Void Filling:** Penetrating and sealing cavities in masonry, stone, and concrete.
- **Reinforcement of Weak Structures:** Strengthening beams, slabs, and columns affected by micro-cracking.
- **Waterproofing Applications:** Sealing fine cracks against water ingress in basements, tunnels, and retaining walls.
- **Industrial & Civil Engineering Projects:** Bridges, dams, parking decks, and other critical infrastructure requiring durable epoxy injection.

Properties

- Excellent penetration into micro-cracks due to low viscosity.
- High mechanical strength and adhesion to concrete and steel
- Solvent-free, non-shrink formulation
- Long-lasting structural reinforcement
- Easy mixing and injection application

TECHNICAL PROPERTIES

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|----------------------------------|-----------------------------------|
| Appearance/Color | Transparent, low-viscosity liquid |
| Density: | ~ 1.10 kg/liter |
| Viscosity (mixed, 25°C): | 250–350 mPa·s |
| Volume solids %: | 100 % |
| Compressive Strength: | >70 MPa |
| Bond Strength (concrete): | >3.0 MPa (substrate failure) |
| Flash point: | 120 ° C. /248°F |
| Open time | 30-40 min. (23°C and 50% R.H.) |
| Application temperature: | +8 °C/46.4° F and +35 °C/ 95°F |
| Min. cure temperature: | +10°C/50°F |



Application Details

Mixing Ratio: Component A: 1 – Component B: 2 (By weight or by volume)
Application method: Injection material
Thinner: Do Not Thin The Product

Surface Preparation:

- Substrate must be clean, dry, and free of dust, oil, or loose particles
- Cracks should be opened and cleaned before injection
- Injection ports must be securely fixed and sealed

Mixing & Application

- Mix components A and B thoroughly at the specified ratio until homogeneous
- Use suitable injection equipment for controlled application
- Apply within pot life; avoid exceeding working time

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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