

Product Description EG-152 is two components, solvent free, low viscosity epoxy resin designed for injecting into structural cracks and concrete cavities. The cured material offers rigidity and high strength which is ideal for structural repair.

Uses & Applications EG-152 is used to seal cracks occurred in structural members as the following:

- Columns, beams, concrete walls and floors.
- Retaining walls.
- Foundations and basements.
- Bridge structures, highways.

- Key Benefits**
- Conforms to ASTM C881-78 Type 1, Grade 1, Class B+C.
 - Low viscosity, good penetration through narrow or hairline cracks.
 - High bond strength.
 - Non shrink once cured.
 - Prevent water leakage.
 - Protect structure from chemical and corrosion.

Technical Data

CHARACTERISTIC (A+B)	VALUE	TEST STANDARD
Appearance	Part A: Clear liquid Part B: Yellowish liquid	-
Specific Gravity	Part A: 1.13 ± 0.02 Part B: 0.98 ± 0.02	-
Mixing Ratio, by weight	2:1 (A:B)	-
Viscosity	120 - 170 cps	Brookfield Viscometer
Tensile Strength	>35 MPa	ASTM C190
Flexural Strength	>30 MPa	ASTM C293
Bond Strength to Concrete	>6 MPa (Concrete failure)	ASTM C882
pH	4 - 8	-
Pot Life	45 - 90 mins	-
Flash Point	> 100 °C	-

CONCRETE REPAIR

Application Instructions *Surface Preparation*

- All surfaces must be free from oil, grease, dirt and poorly adhering matter.

Installing the packers

- Drill and install packers along the cracks line. Make sure they pass through the cracks. Depth of drilled holes should be somewhere between center of structure.
- In case of high pressure injection, vertical, or overhead applications, all cracks must be sealed with epoxy mortar adhesive (CLEVCON EZ FIX) to prevent resin leaking out.

Mixing

- Mix EG-152 with the ratio of 2:1(A:B) using low speed mixer.

Injection

- Inject the material through the injection ports. In case of vertical application, inject from the bottom up. Wait for material rise up the cracks then move to the other ports until finish.

Cleaning up

- Tools and equipment must be cleaned immediately after use. Packers can be removed within one hour and the holes should be patched.

Safety Instructions

Wear appropriate protective equipment such as gloves, safety glasses or goggles, protective clothing during use. In case of eye contact: promptly wash eyes with plenty of water. Continue to rinse for at least 15 minutes and consult physician immediately.

Packing

2 kg per set (Part A=1.33 kg, Part B=0.67 kg)

Storage & Shelf Life

Chemical must be kept in-door, avoid of direct sunlight and humidity. It should be stored at room temperature. Chemical should be consumed within 12 months.

Disclaimer: The information provided in this document is based on our knowledge and experience of the product. In actual application results may vary because of site conditions, application methods and other factors that beyond our control. Users are recommended to test out product performance before actual use. Any data contained in this document, including our sale person or staff consultation is in no way constitutes a warranty relative to the use of our products. Our general terms and conditions of sales shall prevail. The superseded version of this datasheet may be issued without prior notice. Customers and users are encouraged to check with our staffs for the latest version of this document.

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