

FUERZA INYECTA

LOW VISCOSITY, MOISTURE-TOLERANT, INJECTION EPOXY RESIN

FUERZA INYECTA is a **two-component, solvent-free epoxy injection resin** comprising a low-viscosity epoxide resin base and a reactive liquid hardener. The system is suitable for **gravity-fed or pressure injection** using compatible manual or mechanical pumping equipment, enabling effective filling of cracks and voids ranging from approximately **0.1 mm to 10 mm**.

Upon curing, **FUERZA INYECTA** develops **rapid strength gain and high mechanical performance**, substantially exceeding that of conventional high-quality concrete. Its **non-shrink formulation** ensures complete and permanent void filling, while the cured epoxy exhibits excellent resistance to **chemical attack, seawater, petroleum products, and freeze-thaw cycling**, providing durable performance in demanding structural repair environments.

ADVANTAGES

- **Suitable for structural crack injection and rehabilitation.**
- **Ultra-low viscosity** enables deep penetration into fine cracks and facilitates gravity-fed injection.
- **Non-shrink curing** with durable adhesion and sustained bond integrity.
- **Complete injection system**, providing the components required for efficient crack repair.
- **Clean and user-friendly application** with controlled handling characteristics.
- Provides **high-strength adhesion** to concrete, steel, metals, brickwork, natural stone, and other compatible substrates.
- **Cost-effective structural repair solution** with efficient material utilization and application.

RECOMMENDED APPLICATIONS

- **Structural crack injection and rehabilitation** of concrete elements.
- **Filling and structural bonding** of cracked concrete sections.
- **Thin-section grouting** where enhanced structural continuity is required.
- Applications requiring **high resistance to dynamic and cyclic loading**.
- **Bonding and reinstatement of debonded or lifted floor toppings**.

TECHNICAL INFORMATION

Color:	Amber
Density:	1.03-1.05 kg/liter
Mix ratio (Part A : Part B)	2:1 by weight

INSTRUCTIONS FOR USE

Crack-Line Preparation:

Drill and install suitable injection ports at approximately **300 mm centres** along the crack line. Secure and seal the ports using **FUERZA GRIPOXY**, ensuring the crack surface is adequately sealed. Allow the prepared injection system to cure for approximately **6 hours at 20°C**.

Resin Injection:

Using a **low-pressure injection pump**, inject the mixed FUERZA INYECTA from the lowest injection port, progressively advancing toward the highest point of the crack. Seal each injection port sequentially as the resin reaches the adjacent port. Ensure the mixed resin is placed within its specified **usable working time**.

Excess Material & Exothermic Control:

After the specified usable time, the mixed resin may develop significant **exothermic heat**. Any unused material should be blended with sand to dissipate heat and then disposed of appropriately.

Curing:

Allow the injected resin to cure for a minimum of **24 hours**. **No special curing procedure is required.**

Finishing:

After curing, cut off the exposed portions of the injection ports and reinstate the surface using **FUERZA GRIPOXY**.

Equipment Cleaning:

Clean all tools and equipment with a suitable **solvent immediately after use**, before the resin has hardened.

HEALTH & SAFETY PRECAUTIONS

FUERZA INYECTA is not classified as hazardous under applicable current regulations; however, standard chemical-handling precautions shall be observed. Avoid ingestion and contact with **skin and eyes**, and wear suitable **chemical-resistant gloves and safety goggles** during handling and application.

In case of skin contact, wash thoroughly with clean water. In case of eye contact, rinse immediately with copious amounts of clean water and seek medical attention. If swallowed, obtain **immediate medical assistance** and **do not induce vomiting**. For comprehensive safety, handling, and emergency information, refer to the current **Safety Data Sheet (SDS)**.

PACKAGING & STORAGE

FUERZA INYECTA is supplied in **5 kg pre-packaged units** and provides a minimum **12-month shelf life** when retained in its original, unopened packaging under covered, dry conditions and protected from **direct solar radiation**.

TECHNICAL DISCLAIMER

FUERZA endeavors to ensure that the technical data and information presented herein are **accurate, reliable, and representative of current technical knowledge and field experience**. However, no express or implied warranty is provided, as the conditions of substrate, site environment, application methodology, and personnel competency are beyond FUERZA's direct control.

As FUERZA **Technical Data Sheets are subject to periodic revision**, the user is responsible for verifying the latest applicable documentation and confirming the product's **suitability for the intended application**. Application shall be carried out in accordance with the specified recommendations and under conditions consistent with the stated technical requirements.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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