

FUERZA EPOXORA

MULTI PURPOSE, HIGH STRENGTH EPOXY ADHESIVE & REPAIR MORTAR

FUERZA EPOXORA is a **two-component epoxy resin-based adhesive, bedding, and grouting system**, supplied as **Part A (Resin) and Part B (Hardener)**. Its smooth, putty-like consistency provides excellent workability for **localized concrete repair, surface reprofiling, and bonding applications**. The thixotropic formulation enables controlled application while maintaining dimensional stability, and upon curing develops **high mechanical strength, durable adhesion, and resistance to oils, greases, petroleum products, salts, dilute acids, and alkalis**.

APPLICATIONS

- **Gap Filling & Bonding:** Used as a high-strength, non-shrink adhesive for filling gaps and bonding compatible construction materials.
- **Concrete Rehabilitation:** Suitable as a repair mortar for **honeycombed, defective, and locally deteriorated concrete**.
- **Surface Defect Repair:** Effective for repairing **fine cracks, spalled areas, and localized surface imperfections**.
- **Bridge Bearing Bedding:** Suitable for **bedding and fixing bridge bearings**, providing reliable load transfer and dimensional stability.
- **Brick Slip Fixing:** Used for the **adhesive fixing of brick slips** and similar facing elements.
- **Bolt Pocket Filling:** Suitable for filling and sealing **bolt pockets, anchor recesses, and localized voids**.
- **Tile Bedding & Grouting:** Used as a durable **bedding and grouting compound for tiles**.
- **GRC Panel Repairs:** Suitable for localized repair and reinstatement of **GRC (Glassfibre Reinforced Concrete) panels**.
- **Overhead Repairs:** Suitable for **vertical and overhead repair applications** due to its non-sag, thixotropic consistency.
- **Fine Crack & Spall Repair:** Provides durable repair of localized cracks, spalls, and surface deterioration in concrete substrates.

STANDARDS COMPLIANCE

FUERZA EPOXORA conforms to the requirements of **DIN 1048:1990, Part 5**, demonstrating compliance with recognized standards for concrete testing and performance assessment.

TECHNICAL INFORMATION

Density:	1900 kg/m ³ at 25 ± 2° C
Water permeability:	Nil
Chemical resistance:	Excellent
Pull-off strength:	0.88 N/mm ²
Color:	White & Grey

ADVANTAGES

- Provides **high-strength, tenacious adhesion** to suitably prepared concrete and compatible construction substrates.
- **Versatile epoxy formulation** suitable for bonding, bedding, grouting, gap filling, and repair applications.
- **Ready-to-use putty consistency** enables controlled and precise application with minimal preparation.
- **Non-sag and rapid-curing characteristics** facilitate efficient application on vertical and overhead surfaces.
- **Non-shrink curing** maintains dimensional stability and minimizes shrinkage-related defects.
- Reduces **material wastage** through precise application and excellent workability.
- Exhibits **high resistance to a broad range of aggressive chemicals**.
- Develops **high mechanical strength** and excellent resistance to impact and service stresses.

INSTRUCTIONS FOR USE

Surface preparation:

Ensure the substrate is **clean, dry, sound, and free from dust, dirt, oil, grease, laitance, and other contaminants** that may adversely affect adhesion. All defective or loosely bonded material should be removed prior to application.

Mixing:

FUERZA EPOXORA should be mixed using a **low-speed drill fitted with a suitable mixing paddle**. Thoroughly combine **Part A and Part B** in a flexible polyethylene container or equivalent vessel until a uniform, homogeneous consistency is achieved. Partial mixing of the components is recommended only for **non-adhesive applications**. To minimize material wastage, prepare only the quantity required for immediate use.

Application:

Apply the mixed FUERZA EPOXORA using a **palette knife, spatula, or steel trowel**, pressing firmly against the substrate and finishing to the required profile. Lightly wetting the application tool with a suitable solvent may facilitate smoother application. For deep recesses or voids, apply the material in successive layers of approximately **25–40 mm thickness** until the required depth is achieved.

Coverage:

A **3 kg unit** provides an approximate coverage of **1.6 m² at 1 mm thickness**. Actual material consumption will vary depending on the **surface texture, porosity, profile, and depth of the repair area**.

Cleaning:

Clean all tools and equipment **immediately after use** with **FUERZA Solvent No. 1**. Once fully cured, FUERZA EPOXORA can only be removed by **mechanical means**.

HEALTH & SAFETY PRECAUTIONS

FUERZA EPOXORA is **not classified as hazardous under current applicable regulations**; however, appropriate precautions should be observed during handling and application. Avoid ingestion and direct contact with the **skin and eyes**, and wear suitable **protective gloves and safety goggles**. In case of skin contact, wash thoroughly with clean water. If contact with the eyes occurs, rinse immediately with plenty of clean water and seek medical attention. If swallowed, **seek immediate medical assistance and do not induce vomiting**. For comprehensive information regarding safe handling, storage, and emergency procedures, refer to the product's **Safety Data Sheet (SDS)**.

PACKAGING & STORAGE

FUERZA EPOXORA is supplied in **2 kg and 6 kg units** and has a **minimum shelf life of 12 months** when stored in its original, unopened packaging under cover and protected from **direct sunlight and adverse environmental conditions**.

