

FUERZA ADHOXY

2 PART HIGH PERFORMANCE, HIGH STRENGTH, TEMPERATURE RESISTANT EPOXY PUTTY AND ADHESIVE

KEY ADVANTAGES

- **1:1 Mixing Ratio:** Simple and precise **equal-part component mixing** for consistent application.
- **Cold & Damp Substrate Adhesion:** Maintains strong **bonding performance under low-temperature and moisture-prone conditions**.
- **Thermal Resistance:** Exhibits excellent **resistance to elevated service temperatures**.
- **High Mechanical Strength:** Develops superior **mechanical and load-bearing properties** after curing.
- **Chemical Resistance:** Provides enhanced resistance to **chemical attack and aggressive environments**.
- **Rapid Setting:** Develops **early cohesive and adhesive strength**, enabling expedited installation and return to service.

COMPATIBLE SUBSTRATES

Suitable for application and bonding to a wide range of **construction and industrial substrates**, including:

- Concrete and cementitious substrates
- Metal surfaces
- Precast concrete elements
- Brick and masonry
- Ceramic substrates
- Natural stone
- Fiberglass and reinforced composite surfaces

APPLICATORY AREAS

- **Structural Crack Repair:** Epoxy-based filling and reinstatement of structural cracks.
- **Concrete Reinstatement:** Epoxy repair and restoration of **spalled or deteriorated concrete**.
- **Structural Gap Filling:** High-strength filling of structural voids and gaps.
- **Anchoring & Embedment:** Secure embedment of **hooks, bolts, and mechanical fixings**.
- **Metal Bonding:** High-performance epoxy adhesive for **bonding metal components to compatible substrates**.

TECHNICAL INFORMATION

Consistency:	Thixotropic paste
Color:	Grey
Density:	1.8 kg/liter
Compressive strength:	45 MPa
Tensile strength:	25 MPa
Tensile Bond strength:	10 MPa
Flexural strength:	15 MPa
Work life at 30°C:	45 minutes
Touch dry:	1-2 hours at 30°C
Hard dry:	4-6 hours at 30°C
Full cure at 30°C:	7 days

DIRECTIONS FOR USE

Surface Preparation:

- **Metal Substrates:** Prepare metal surfaces by **grit blasting, mechanical abrasion, or solvent degreasing** to remove contaminants and achieve an adequately profiled surface for maximum adhesion. Existing painted metal should be treated with a **suitable proprietary paint-removal system** prior to application.
- **Concrete Substrates:** Mechanically abrade or wire-brush concrete surfaces to eliminate **cement laitance, surface contaminants, and weak material**. The substrate must be free from **oil, grease, and other adhesion-inhibiting contaminants**. Existing coatings on concrete should be removed by **controlled flame treatment or mechanical abrasion** to expose a sound, suitably prepared substrate.

Mixing & Application:

Ensure **Parts A and B are thoroughly and homogeneously blended** prior to application. Accurate component proportioning and complete mixing are essential, as incorrect ratios, inadequate blending, or dosing inaccuracies may result in **reduced mechanical performance, incomplete curing, or premature discoloration**.

When correctly proportioned and mixed, **FUERZA ADHOXY** cures to a stable system without staining or discoloring **white or light-colored marble and ceramic substrates**.

Cleaning:

Remove **uncured FUERZA ADHOXY** residues using a suitable **epoxy-compatible cleaning solvent or epoxy thinner** before the material undergoes curing.

HEALTH & SAFETY:

Avoid **prolonged skin exposure** during handling and use an appropriate **protective barrier cream** where necessary. In case of skin contact, wash the affected area thoroughly with **soap and warm water**. If irritation or other adverse effects occur, **seek prompt medical attention**.

PACKAGING:

Available in **2.0 kg and 6.0 kg sets**.

