

FUERZA FIBROVA

FIBER RE-INFORCED POLYMER MODIFIED ELASTOMERIC CEMENTITIOUS WATERPROOF COATING SYSTEM

FUERZA FIBROVA is a **two-component, fiber-reinforced, flexible acrylic-modified cementitious waterproofing system** that cures to form a seamless, elastomeric membrane with excellent substrate adhesion and low permeability. Its breathable formulation provides durable protection against water ingress while accommodating substrate movement and cracking.

The system is designed to protect **reinforced concrete structures** against deterioration caused by **acidic gases, chloride-ion penetration, and aggressive environmental exposure**, making it particularly suitable for **coastal and marine environments**. FUERZA FIBROVA is applicable to both new and existing concrete structures and provides excellent **wear resistance, weathering resistance, flexibility, and durability**, while its refined finish also permits use as a **decorative protective coating**.

ADVANTAGES

- Suitable for waterproofing **water-retaining and containment structures**.
- Withstands **high positive and negative hydrostatic pressure**.
- Excellent durability under **hot and humid climatic conditions**.
- **Non-toxic** formulation for safe and versatile use.
- Suitable for both **interior and exterior applications**.
- Exhibits **high wear and abrasion resistance**.
- **Easy application**, minimizing labor requirements and installation costs.
- Provides excellent **crack-bridging capability**.
- Ensures strong adhesion to **concrete, masonry, metal, and other compatible substrates**.

TECHNICAL INFORMATION

Supply form:	Powder & Liquid
Color:	Grey & White
Density:	1.8 gm/cm ³
Elongation:	200%
Pot life:	1 hour
Foot traffic:	After 1 day
Toxicity:	Non-toxic
Tensile strength:	780 psi

	Coated	Uncoated
Chloride ion Resistance		
6 months	0.0004%	0.035%

DIRECTIONS FOR USE

Surface Preparation:

The concrete substrate shall be **sound, clean, and suitably profiled**, with all oil, grease, dirt, laitance, coatings, curing compounds, sealers, and unsound concrete completely removed. Mechanical preparation methods such as **sandblasting, shot blasting, or scarification** are recommended to achieve an open surface profile. Remove all residual contaminants by vacuum cleaning or an equivalent method.

Acid etching should only be considered where mechanical preparation is impractical and shall be undertaken by suitably experienced personnel. All reaction salts and residues must be thoroughly removed by pressure washing. Prior to application, pre-saturate the substrate with clean water and remove all standing water. The substrate shall remain in a **saturated surface-dry (SSD)** condition.

Mixing:

Mix **FUERZA FIBROVA** using a **low-speed mechanical mixer**; for large-scale applications, a suitable paddle-type mortar mixer is recommended. Introduce the specified quantity of liquid component for the required batch size, followed by the dry component. Mix for a minimum of **3 minutes** until a homogeneous, lump-free consistency is achieved, while minimizing air entrainment.

Only mix quantities that can be applied within approximately **45 minutes**. The mixed material should be applied immediately after preparation.

Application:

Thoroughly dampen the concrete substrate with clean water before application. **Do not apply onto dry concrete**. The optimum substrate condition is SSD.

Apply FUERZA FIBROVA using a **stiff-bristle brush or suitable roller**. A single coat may be sufficient for horizontal surfaces; however, two coats are recommended to achieve uniform coverage and minimize pinholing. **Two coats are required for vertical and overhead applications**. Allow the preceding coat to dry adequately before applying subsequent coats.

For large-area applications, **airless spray equipment** may be employed following suitable site trials. Recommended parameters are a **3–4 mm nozzle** at approximately **6–8 bar pressure**. Maintain a continuous supply of properly mixed material during spray application.

At **upstands and movement joints**, embed suitable **geotextile reinforcement mesh** between the first and second coats to enhance tensile performance and distribute localized stresses.

Early-Age Concrete Application

Due to its **moisture-tolerant formulation**, FUERZA FIBROVA may be applied to concrete approximately **24 hours after placement**, providing early waterproofing protection while supporting continued curing.

For localized **deep depressions, cracks, and blowholes**, adjust the gauging-liquid content as required to obtain a suitable repair consistency.

Equipment Cleaning:

Clean all tools and application equipment immediately after use with **clean water**. Once cured, the material can only be removed by **mechanical means**.

PACKAGING

FUERZA FIBROVA is packaged as 20 Kg powder and 10 Kg of Liquid additives.

COVERAGE

FUERZA FIBROVA provides an approximate coverage of **23–25 m² per unit for two coats**, subject to substrate profile and application conditions.

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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