

FUERZA BITU-SHIELD

SOLVENT-BASED BITUMEN PROTECTIVE WATERPROOF COATING

FUERZA BITU-SHIELD is a **single-component, solvent-based bituminous protective coating** formulated to provide an effective **damp-proof and waterproof barrier** against the transmission of water and water vapour. The coating dries rapidly to form a continuous, durable protective film suitable for application on **cementitious substrates, masonry, brickwork, and steel structures**.

FUERZA BITU-SHIELD may also function as a **primer and bonding agent** for a wide range of torch-applied bituminous membranes and is suitable for **under-cladding applications on façades**. When applied immediately after the final set of concrete, it can also serve as a **curing compound for concrete elements intended for subsequent burial**, such as foundations. This dual-purpose functionality can simplify application procedures and provide a **cost-effective waterproofing and concrete protection solution**.

ADVANTAGES

- Excellent adhesion to a wide range of **common construction substrates**.
- **Single-component formulation** requiring no on-site component blending, ensuring simple and efficient application.
- **Rapid drying characteristics**, enabling faster progression of subsequent construction activities.
- **Cost-effective solution**, particularly when utilized as a combined **concrete curing and damp-proofing treatment**.
- Provides resistance to **chloride-ion penetration and sulfate attack**, enhancing the durability of protected substrates.

TYPICAL APPLICATIONS

- Waterproofing and protective treatment for **foundations, substructures, and underground construction elements**.
- Priming of substrates prior to the installation of **reinforced bituminous membrane waterproofing systems**.
- **Curing and protective treatment of underground concrete** prior to backfilling or burial.
- Application as a protective coating beneath **marble, metal cladding, and façade finishing systems**.
- Corrosion-resistant protective coating for **metal pipelines, storage tanks, steel structures, and associated metalwork**.

TECHNICAL INFORMATION

Dry film color:	Black
Density:	1.05 ± 0.02 kg/liter at 25° C
Minimum drying time:	60 ± 5 at 25° C
Over-coating time:	60 ± 15 at 25° C
Coverage:	2-4 m ² /kg

STANDARD COMPLIANCE

FUERZA BITU-SHIELD complies with the relevant requirements of **ASTM D4479, ASTM D70, and ASTM C309** for water retention performance when used as a concrete curing compound.

APPLICATION PROCEDURE

Surface Preparation:

The substrate must be structurally sound, clean, dry, and free from oil, grease, dust, loose particles, and other contaminants that may adversely affect adhesion or coating performance.

Application:

Thoroughly stir FUERZA BITU-SHIELD until a uniform consistency is achieved before application. Apply by **brush or roller in two uniform coats**. Where a higher film build or enhanced protection is required, additional coats may be applied after the preceding coat has adequately dried. Where necessary, **5–10% compatible solvent** may be added to adjust application viscosity.

Cleaning:

While the material is still wet, tools and application equipment can be cleaned using a suitable solvent. Once cured or dried, removal may require mechanical means or appropriate solvent treatment.

SHELF LIFE, PACKAGING & STORAGE

FUERZA BITU-SHIELD has a **12-month shelf life** when stored in its original, unopened containers in a shaded, dry location at temperatures between **5°C and 45°C**. FUERZA BITU-SHIELD is supplied in **5 kg and 15 kg buckets and 210 kg drums**.

