

FUERZA P-BRANE

PITCH MODIFIED HIGHLY FLEXIBLE NEW GENERATION WATERPROOFING LIQUID MEMBRANE

FUERZA P-BRANE is a high-performance, cost-effective liquid-applied waterproofing membrane based on a **pitch-modified elastomeric formulation**, engineered for durable waterproofing and protection of brick, concrete, and metal substrates. Upon curing, it forms a **tough, seamless, highly flexible membrane** with excellent elasticity and movement accommodation, enabling it to withstand thermal and dimensional stresses without compromising waterproofing integrity. It is suitable for **roofs, bridge abutments, retaining walls, planter boxes, box gutters, and other structures requiring effective water exclusion or containment**, and can be applied to both horizontal and vertical surfaces under normal ambient conditions.

FUERZA P-BRANE offers **simple, economical, and equipment-efficient application**, requiring no specialized machinery and allowing installation using conventional brooms or block brushes. Its user-friendly application characteristics make it suitable for routine waterproofing works, while its **non-toxic formulation** is appropriate for applications where protection against water contamination or tainting is required.

KEY ADVANTAGES

- **Cold-Applied Technology:** Applied in liquid form without open flames, heating equipment, or hot-work procedures.
- **Seamless Waterproofing:** Cures to form a continuous, joint-free membrane, eliminating weak points associated with seams and joints.
- **Full Substrate Adhesion:** Forms a fully bonded membrane that minimizes the risk of water migration beneath the coating.
- **High Elasticity & Flexibility:** Accommodates minor substrate movement and thermally induced expansion and contraction without compromising membrane integrity.
- **Detail Conformability:** Liquid resin readily conforms to complex geometries, penetrations, corners, and irregular substrate profiles.
- **No Mechanical Fixing:** Eliminates the requirement for mechanical fasteners, welding, or complex jointing systems.
- **Lightweight System:** Adds minimal dead load to the structure and maintains a low overall construction profile.
- **Rapid & Convenient Application:** Enables efficient installation with reduced preparation and equipment requirements, contributing to significant time savings.
- **Movement Accommodation:** The elastomeric membrane absorbs structural movement and compensates for temperature-induced dimensional changes.
- **Easy Material Handling:** Compact packaging facilitates convenient transportation and handling, particularly on rooftops and other difficult-access areas.

TECHNICAL INFORMATION

Type:	Bitumen emulsion containing rubber latex
Color:	Grey when wet – Black when dry
Solids content:	50% minimum
Rubber latex content:	14%
pH:	10
Drying time:	2-3 hours (outdoors)
Flashpoint:	Flammable
Specific gravity:	1.18

WATER VAPOUR TRANSMISSION	
RATE	Less than 0.3g per m ² per 25 hours
WATER ABSORPTION	Less than 0.05% after 72 hours
IMPACT RESISTANCE	More than 2.5 joules

Note: Tested using non-woven polyester saturated with FUERZA P-BRANE at 2.5 L/m².

TYPICAL APPLICATIONS

- **Flat Concrete Roofs:** Waterproofing and moisture protection of concrete roof structures.
- **Corrugated Metal Roofs:** Continuous waterproofing and corrosion-resistant protection of profiled metal roofing.
- **Silo Roofs:** Protective waterproofing of industrial silo roof assemblies.
- **Foundations & Basements:** External waterproofing, tanking, and moisture protection of foundations, basement structures, and retaining walls.
- **Dams & Reservoirs:** Impermeable lining for water-retaining structures, dams, and reservoirs.
- **Balconies & Shower Areas:** Waterproofing of wet areas and exposed balcony surfaces.
- **Gutters:** Sealing and rehabilitation of corroded or leaking gutters, particularly box gutters.
- **Planter & Flower Boxes:** Waterproofing and moisture protection of flower and planter boxes.

INSTRUCTIONS FOR USE

- Ensure the substrate is clean, sound, and free from dust, oil, grease, and other contaminants. FUERZA P-BRANE may be applied to damp surfaces, provided no negative water pressure is present.
- For enhanced adhesion and performance, prime the substrate with FUERZA P-BRANE diluted 1:1 by volume with xylene.
- Apply FUERZA P-BRANE at a coverage rate of approximately **1 m²/L** using a brush, roller, or soft broom.
- Apply a minimum of **two coats**, allowing at least **48 hours drying time** between applications.
- For areas exposed to weathering, FUERZA P-BRANE may be protected with a topcoat of **FUERZA 73 Aluminum Paste**. This protective layer is recommended only for externally exposed surfaces.

NOTE: FUERZA P-BRANE is solvent-based while wet; do not apply if rain is expected or imminent.

PACKAGING & COVERAGE

FUERZA P-BRANE is available in **5 kg, 16 kg, and 210 kg containers**. For complete system application, the recommended consumption is approximately **2–2.5 L/m²**.

