

Technical Commercial Data Sheet

Elaver Black

Bituminous elastomeric liquid membrane



Description

Bituver Elaver BLACK is a water based thixotropic bituminous paste obtained by mixing of bitumen emulsion, elastomeric resins, admixtures and aggregates. It is a liquid membrane characterized by high water resistance, elasticity, adhesion to the substrate, resistant to UV and corrosion. Once dried, it forms an elastic film of considerable thickness, continuous and without joints.

Recommended uses

Bituver ELAVER BLACK is suitable for:

- **Waterproofing** and protection of roofs, foundations and earth retaining walls, fiber cement roofs, balconies and terraces, in cases where it is difficult to apply bituminous membranes and use the flame;
- **Maintenance and reparation** of bituminous membranes at the end of their working life;
- **Sealing** of pipes, skylights, vertical passages through membranes and other details in waterproofing;
- **Gluing** of insulation panels.

Substrates

Concrete, cement mortar, plasterboard, metal, plaster, drywall, wood, glass, plumbing and ceramic floors.

It can be applied on humid surfaces, provided there is no standing water.

Bituver Elaver BLACK can be walked only for servicing or maintenance. It becomes walkable if covered with tiles.

Appearance

Black elastic continuous surface.

Application

- Use Personal Protective Equipment as requested by law;
- Clean properly the surface from dust and friable materials;
- Temperature range from +5 ° C to +30 ° C; does not apply in case of risk of frost and in full sun;
- Mix the product;
- Apply by roller, brush, spatula;

- **Highly waterproofing**
- **Easy to apply**
- **High resistance to weather conditions and UV rays**
- **High thickness**
- **Suitable to apply in foundations and retaining walls**
- **Excellent adhesion on all common materials**
- **Adaptable to complex surfaces**
- **Extremely high elasticity**

For waterproofing and repair:

- 5% dilution in each layer is advised;
- Apply two layers; the second immediately after the first if a reinforcement will be used, otherwise, after 24 hours;
- In areas larger than 10 m², on solicited supports or in case of repairs of membranes with large cracks, apply a suitable reinforcement, a non-woven polyester with a weight of 60 to 100 g / m², drowned in the first hand during its drafting and, anyway, before drying so that the reinforcement could be incorporated into the membrane.
- If a new pavement has to be fixed on the membrane, put another polyester fabric on the top of last layer just after the application;
- After at least 72 hours, and in any case when drying is occurred, proceed to laying of the new pavement, after gluing of the non-woven polyester;
- In the vertical joints and in the corner, it is necessary to use the non-woven polyester fabric between the two layers of the membrane;
- In foundations, protect the liquid membrane with Bituver BITUFOND, before interment.
- To seal:
 - Apply as it is;
- To fix insulating panels:
 - Apply on concrete or wood;
 - Apply as it is, in five points;
- Wash tools with water; soak them in water even during interruptions in the application;
- Do not leave cans exposed to the sun before use;
- Bituver Elaver BLACK is resistant to UV rays. It can, however, increase its durability by applying a finishing with Bituver CALIFORNIA - P reflective paint for energy saving, or, with Bituver BITUCOLOR protective painting, available in different colors.

Packaging

5 kg or 20 kg cans.

Storage

Bituver ELAVER BLACK keeps the effectiveness of its performances for 12 months in unopened cans above 5 ° C and below 30 ° C. Protect from frost.



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Technical Features	Norms	Bituver ELAVER BLACK
Colour		Black
Stiffness		Viscous paste
Stability in closed cans		12 months
Density at 20° C	EN ISO 2811-1	1,21 kg/l ± 0,04
Dry residue at 130 °C	EN ISO 3251	53% - 59%
Brookfield viscosity at 20° C. Mixed at 5, 10 rpm at 20°C	EN ISO 3219	700 P ± 0,04
Drying for covering*		24 / 48 h
CO ₂ permeability	EN 1062-6	SD > 50 m
Vapour permeability	EN ISO 7783	Class I - SD < 5 m
Capillary absorption and permeability to water	EN 1062-3	w < 0,1 Kg/m ² ·h ^{0,5}
Strength of adhesion by direct traction	EN 1542	≥ 1 N/mm ²
Elongation at break		1000%
Closed can flash		Not flammable
Consumption for waterproofing		For 1 mm of thickness μ=1.5 kg/m ²
Consumption for panel fixing		Approx. 200/300 g/m ² (applied per points)

* Average values, depending on the substrate and the application (with or without reinforcement).

The Saint-Gobain PPC Italia S.p.A. quality system is certified according to EN ISO 9001:2008.

The products foresee proper application and storage modalities.

Saint Gobain PPC Italia has the right to change the technical data of this data sheet any time with no need of notice.

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