

## BITOGLUE FX

### Fibre-reinforced bituminous adhesive and sealant

**Description:** Fibre-reinforced solvent-based thixotropic adhesive and sealant, formulated with bitumen, selected elastomeric resins and special additives.

**Advantages:**

- It is applied cold.
- Ready for use.
- No dripping.
- Specifically designed for joining and sealing vertical surfaces.
- Resistant to weathering and UV rays.
- Adheres to the most common building materials even if wet.
- After hardening, it has the appearance of an easily deformable plastic mass even if applied vertically.
- It can be exposed to rain even immediately after laying as it is not washed away or dissolved in water.
- Resistant to acid and alkaline solutions.

**Applications:**

- It adheres to polymer-bitumen membranes, shingles, bricks, concrete, wood, metal and most plastic materials.
- Gluing any type of insulation panel.
- Repairing damaged polymer-bitumen membranes and sealing membranes to vertical concrete surfaces.
- Gluing bitumen-based shingles and insulation packages.
- Instant sealing of construction gaps on roofs and coverings such as chimney pots, skylights, downspouts, flashings, ventilation ducts, antennas and gutters.
- Gluing overlapping polymer-bitumen membranes to obtain perfect cold bonding between them.
- For collars around through pipes.
- It can be used to fill joints, cracks and crevices of any size.

**Surface preparation:**

- Make sure that the surface is free from detached parts, loose debris or non-adherent parts, coatings, rust, powder, or release oils; carefully clean the surfaces, which must be sound and sufficiently dry.
- On damp or wet surfaces, remove any standing water and apply the product by compressing adequately.
- Apply at temperatures between 0°C and +35°C; avoid extremely hot or cold conditions during application and drying of the film.
- In the case of localised repairs of old bituminous membranes, eliminate any swelling by making cross-cuts in the membranes and then gluing the four flaps back together, first under and then over the surface concerned.

**Application:**

- The product is ready to use and can be smoothed or shaped with spatula or other heated metal tools to favour the aesthetic finishing of the expansion joint.
- Apply the product in cartridge by mechanic or manual gun.
- For bonding insulation panels, Bitoglue FX can be applied in spots or strips with a trowel or spatula.
- Flexible profiles should be covered with two layers reinforced with glass fibre veil.
- Use common synthetic thinners to clean tools.

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**Consumption:** - When used for bonding polymer-bitumen membranes, yield is approximately 1 kg per square metre.

- When laying in strips, these should be approximately 4 cm wide and a minimum of 4 per m<sup>2</sup> for a consumption of 650-850 g/m<sup>2</sup> depending on the type of surface. When applying in spots, around 50-80 g of Bitoglue FX will be needed for each spot, distributing 10 spots per m<sup>2</sup>. Near the perimeter of emerging bodies and reliefs in general, the number of spots and strips will be doubled for an area 1 metre wide. In addition, the bonding should be supplemented with mechanical fasteners.

**Warnings:** - Not suitable for continuous or rapid compression, traction and shear stresses.

- Not suitable to be walked on or for vehicle transit.
- Do not use indoors or in non-ventilated premises.
- Do not mix with cement or water.
- Store in tightly sealed original packaging.
- Flammable product
- Do not expose to heat sources, open flames or other sources of ignition.
- Comply with the information on the safety data sheet.
- Consult the information at the bottom of this document.

**Packaging:** - 280, 310 ml cartridges.

- 1, 5, 10, and 25 kg metal pails.
- 250 kg metal drums.

### Technical data:

MAIN CHARACTERISTICS		
Appearance		Thick paste
Colour		Black
Shelf life in closed original packaging		24 months
Solid content ( <i>m/m at 130 °C</i> )	EN ISO 3251	(82-89)%
Brookfield viscosity ( <i>at 25 °C, spindle 7; 5 rpm</i> )	EN ISO 3219	(4,000±800) P
Density ( <i>at 20 °C</i> )	EN ISO 2811-1	(1.25-1.33) kg/L
Application temperature		(5-35) °C
Operating temperature		(-35-110)%
Closed-cup flash point	ASTM D3828-87	> +40 °C

The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

**HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.**

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