



# BI BOND

## PRODUCT DESCRIPTION

BI BOND is a two-component filled epoxy adhesive with high thixotropy and the consistency of a soft plaster.



## PRODUCT APPLICATION

- Waterproof sealing of joints, cracks and construction joints in combination with BI FLEX tape
- Repairing or filling cavities, edges, joint angles and cracks
- For small anchorings of connectors in concrete, wood and masonry
- As an adhesive and as finishing plaster for concrete, prefabricated concrete elements and slabs or fibre-reinforced concrete pipes
- As an adhesive and finishing plaster for hard natural stone, bricks, ceramic tiles, steel and aluminium, wood and epoxy resin

## ADVANTAGES

- Easy and quick application
- Excellent adhesion to most construction materials
- No need for primer
- High resistance to chemical agents (conduct test) and thawing salts
- High mechanical resistance
- High thixotropy, it does not run in vertical or ceiling applications
- Easy preparation of small quantities thanks to the 1:1 mixing ratio of the two components
- Impermeable to liquids and water vapour

## PREPARATION AND APPLICATION Preparing the surfaces

Thoroughly clean the surfaces and remove any loose material with vigorous brushing, sanding or bush-hammering.

Grind or sand metal surfaces.

High-pressure clean surfaces.

For application with negative hydrostatic pressure the concrete surfaces must be roughened/milled for at least 2 mm and the water infiltrations must be removed using TAP 3/I-PLUG rapid-setting mortar.

The surfaces must be perfectly dry.

### Mixing

Add all of the component B to component A.

Mix for at least two minutes with an electric mixer until a smooth mixture with no colour streaks is obtained.

### Application as an adhesive and as finishing plaster

BI BOND can be applied with a metal spatula or trowel; to improve adherence it is advisable to spread it



on both surfaces requiring adhesion and then join the parts, holding them together until the adhesive has set completely.

The minimum thickness for effective adhesion between the parts is 1-2 mm.

If used to bond metal profiles to vertical surfaces, support and press uniformly using struts for at least 12 hours, based on the applied thickness (no more than 5 mm) and the ambient temperature.

**Application in combination with BI FLEX tape on cracks, movement joints and construction joints**

See the BI FLEX System data sheet.



References available at [www.volteco.com](http://www.volteco.com)

**CONSUMPTION AND YIELD** 1.5-1.6 kg/m<sup>2</sup> per mm in thickness.

**PACKAGING AND STORAGE** 10 kg package (comp. A 5 kg +comp. B 5 kg) or 5 kg (comp. A 2.5 kg +comp. B 2.5 kg). BI BOND stored in the original packaging, in a dry place and at a temperature between 10°C and 30°C, can be used within 12 months from when it was packed.

**WARNINGS - IMPORTANT NOTES** The application temperature must be between 10°C and 30°C. Lower temperatures can delay the cross-linking process of the BI BOND adhesive, while higher temperatures drastically reduce the pot life. For applications with temperatures < 10°C store the product in a heated area. Do not apply on damp substrates (maximum humidity 4%). Do not use the already mixed BI BOND adhesive if the pot life has expired (even if the consistency is good). If the materials are incompatible, check the adhesion between BI BOND adhesive and the substrate. For application on metal subject to high fluctuations in temperature and/or considerable length, consult the Volteco Technical Office. After use, clean the tools well with nitro thinner.

**PHYSICAL AND TECHNICAL SPECIFICATIONS**

Specification	Values
Appearance/Colour:	Grey soft plaster
Mixing ratio	Component A : Component B = 1 : 1
Specific weight	1.5 kg/l
Expected useful lifetime	30' (at +20°C and 60% R.H.)

**SAFETY** Consult the related safety data sheet.

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