

BITUMCOL PLUS

Fibre-reinforced bituminous adhesive for metal surfaces

Description: Solvent-based adhesive and sealant, formulated with bitumen, selected elastomeric resins, fibres and special additives.

Advantages:

- It is applied cold.
- Ready for use and easy to apply.
- High elasticity and resistance.
- Instant waterproofing.
- Weather resistant.
- Quick and safe adhesion.
- Resistant to low temperatures.
- Use of extruders is not required.
- Excellent resistance to UV rays.

Applications: Bitumcol Plus is suitable for:

- fixing metallic coatings such as titanium zinc, copper, aluminium and stainless steel on reinforced concrete, masonry, natural and artificial stone, plywood, fibrous concrete or slate, covering sills, walls, attics, facades and roofs.
- applying insulation panels (also in expanded polystyrene) intended for use in construction on concrete and polymer-bitumen membranes on surfaces with slopes greater than 5%.
- filling joints, cracks and pores.
- sealing chimney terminations, piping, and vents on roofs.
- sealing vertical parts of waterproofing cover.
- waterproofing roofs, piping and ventilation ducts, drain pipes, dome skylights, sheet metal claddings, foundations, walls, terraces, balconies, etc.

Adheres to: stone, masonry, concrete, marble, brick, glass, corrugated asbestos, bituminous membranes and roofing felt, tar, metal, sheet metal such as copper, zinc, lead, aluminium as well as wood and rigid PVC.

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 dry. Dusty surfaces must be treated beforehand with a coat of bituminous primer.

- Apply at temperatures between 0 °C and +45 °C; avoid extremely hot or cold conditions during application and drying of the film.

Application:

- The product is ready to use; during winter it may be heated up by water bath.
- Bitumcol Plus is ready to use and can be applied by spatula, spreading the material evenly over the surface in one direction.
- When laying insulation panels, these can be laid immediately on Bitumcol Plus and in any case within 30-60 minutes from its application.
- Use common synthetic or nitro thinners, or white spirit to clean tools.

Consumption: -Consumption depends on the porosity of the surface and corresponds to approximately 2 kg/m².

Packaging:

- 310 ml cartridges.
- 4, 5, 11 kg metal pails. 250 kg metal drums.

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Warnings:

- Tests do not show any product drips up to 100 °C. For vertical application or slopes > 30%, a mechanical fastener is always recommended, considering also the weight of the panel.
- In case of application of the product between two waterproof surfaces (e.g., polymer-bitumen membrane and insulation panel or between two insulation panels), the complete drying time is extended (it can be as long as a few weeks) and depends on various factors such as ambient temperature and humidity, the quantity of product applied, and the waiting time before covering, etc.
- Do not use indoors or in non-ventilated premises.
- Do not apply to wet or very damp surfaces.
- In case of presence in the original packaging of a bottom layer, mix the product until completely uniform, before using it.
- Do not use on surfaces subject to rising damp or strong water pressure.
- Do not use for surfaces or containers of edible liquids, for drinking water or that may come into contact with solvents or mineral oils.
- 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.

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	(82-90)%
Brookfield viscosity (<i>at 28 °C, spindle 7; 2 rpm</i>)	EN ISO 3219	(18,000±3,600)P
Density (<i>at 25 °C</i>)	EN ISO 2811-1	(1.45-1.55) kg/L
Drying time		(30-60) minutes*
Setting time (<i>hard</i>)		48 hours*
Closed-cup flash point	ASTM D3828-87	> +35 °C

* Measurements have been recorded at a temperature of 23 °C and with 50% moisture. Declared data may vary depending on the thickness of the applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, and absorbency of surfaces.

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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