

# ISOCOL

## Bituminous water-based adhesive for cold bonding of insulation panels



### Description

A ready-to-use bituminous paste in an aqueous emulsion produced by the mixing of certain synthetic resins with special bitumen and mineral fillers. The bituminous paste thus obtained, once dried, is characterized by good elasticity, adhesion to the support and impermeability.

### Fields of use

ISOCOL is used for the installation of polyurethane or polystyrene panels on vertical or horizontal surfaces as well as on the ceiling, interior wall surfaces of concrete, brick, asbestos or wood buildings.

It is also used in gluing the extruded polystyrene panels which are installed to protect waterproofed concrete foundations with bitumen polymer membranes before gravel interment

### Packaging

	Pail size
ISOCOL	20 kg

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### Chemical composition

Bitumen, inert charges, additives, resins.

### Use

The surfaces must be smooth and regular, perfectly clean from flaky and detached parts, preferably dry, but it also works on wet surfaces, free from oils and fats. ISOCOL is ready to use, easy to apply and does not require extruders.

For use as an adhesive for insulating panels, it can be applied over the entire surface, in points or strips with the use of a trowel.

When applying in points, it should be spread with a spatula in the four corners and center of the insulating panel.

Immediately after this application, press the insulation board strongly on the surface to be coated and insulated.

For this point-application, the consumption is about 400-500 g/m<sup>2</sup> (5 points per square meter).

In other forms of application the consumption varies and is on average about 600-800 g/m<sup>2</sup>.

The setting time is about 48 hours.

Avoid application on fresh bituminous membranes, as the minimal natural transmigration of oils present in the compound could mean that perfect adhesion of the product is not ensured.

You should wait at least 30/40 days then to perform preliminary cleaning of the surfaces.

1) application in points with trowel



It is important that the application takes place at ambient temperature not lower than + 5 °C.

Extreme hot and cold conditions and days with bad weather are to be avoided during the application.

### Technical data

Technical characteristics	Value
Appearance	Thixotropic paste
Colour	Brown
Dry residue at 130°C (EN ISO 3251)	49% - 55%
Specific weight at 20°C (EN ISO 2811-1)	1,10 kg/l ±0,03
pH	8-9
Brookfield Viscosity 20°C (EN ISO 3219)	38.000 cP ±7.500
Stability in the original closed vessels	12 months
Hardening time	approx. 2 days