

MASTICOLL

SOLVENT-BASED, BITUMINOUS ADHESIVE FOR COLD GLUING OF INSULATING PANELS ONTO BITUMINOUS SURFACES AND CONCRETE

IDROFIX

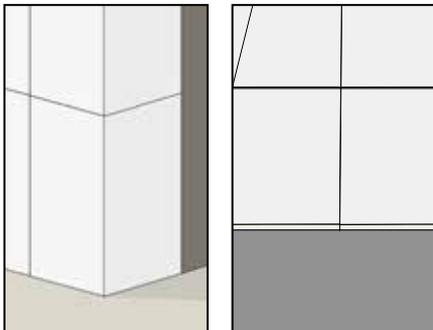
WATER-BASED, BITUMINOUS ADHESIVE FOR COLD GLUING OF INSULATING PANELS ONTO BITUMINOUS SURFACES AND CONCRETE



GRANTS **LEED** CREDITS
(IDROFIX)

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE			PRECAUTIONS
A	S	H₂O					
ONE-COMPONENT	SOLVENT BASED (MASTICOLL)	WATER BASED (IDROFIX)	ECO GREEN (IDROFIX)	MIX MECHANICALLY	APPLY BY FLOAT TROWEL	APPLY BY TROWEL	STORAGE: KEEP AWAY FROM FROST (IDROFIX)

GLUING INSULATING PANELS AND POLYMER-BITUMEN MEMBRANES WITH GLUE



Adhesion of insulating panels where the use of a naked flame is forbidden and where the use of oxidised bitumen boilers is questionable. Incollaggio a freddo di membrane bitume polimero su pannelli isolanti.

Description

MASTICOLL is a bituminous mastic containing special bitumens, elastomers, solvents and mineral charges.

IDROFIX is an adhesive containing bituminous emulsions in a water solution. It is ready to use and dries quickly.

Advantages

- **MASTICOLL** and **IDROFIX** are applied cold and take the place of oxidised bitumen.
- Ready to use.
- Easy to apply.
- Do not require the use of extruders.

Application Fields

MASTICOLL can be used to fix expanded polystyrene, expanded extruded polystyrene, expanded polyurethane, perlite and cellulose fibre panels on buildings with a maximum slope of 5%. For slopes greater than 5%, fixing with **MASTICOLL** will be complemented with additional mechanical fixing. **MASTICOLL** is also used for bonding polymer-bitumen membranes onto insulating panels.

IDROFIX is used for the fast fixing of polyurethane or polystyrene panels onto vertical or horizontal surfaces, onto ceilings and onto wall surfaces in concrete, brick, asbestos cement or wood. It is suitable for laying horizontally and vertically up to a height of 40-50 cm, on bituminous surfaces. It can also be used as an adhesive for extruded polystyrene panels used to protect concrete foundations waterproofed with polymer-bitumen membranes before being covered with gravel.

They come in a summer version and winter version (for temperatures below 5°C).

Method of use

• PREPARING THE SUBSTRATE

The surfaces must be smooth and regular, perfectly clean and free from crumbling or loose particles, dry and without traces of oils or grease. Powdery surfaces must be primed beforehand with a coat of INDEVER or ECOVER primer.

• APPLICATION

MASTICOLL may be applied to the whole surface by spot bonding or in strips using a roller

or a spatula. Strips should be approximately 4-6 cm wide with a minimum of 4 strips per m² for a yield of roughly 650 g/m². Spot bonding will require approximately 50-80 g of **MASTICOLL** per point with 10 spots per m².

To speed up drying, it is advisable to apply spots with a maximum thickness of 3-4 mm.

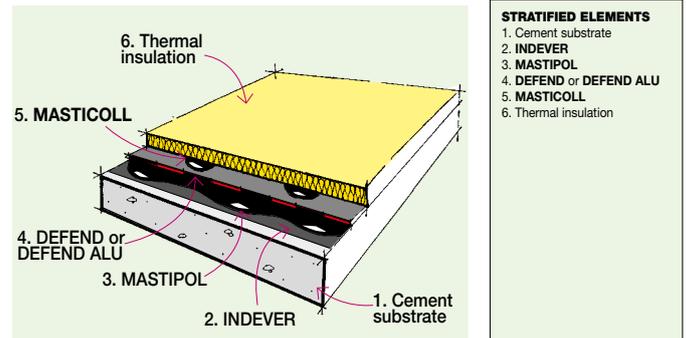
Near perimeters and reliefs, the number of spots or strips should be doubled for a one metre wide area. When full bonding near reliefs and perim-

eters, additional mechanical fixing is required.

The thickness of the spots and strips of MASTICOLL and the number of mechanical fixings must be decided according to the type of application and the local climate.

To prevent MASTICOLL damaging polystyrene panels during summer, it is recommended that the product is first spread on the supports and left for a minimum of half

(See following)



TECHNICAL CHARACTERISTICS

	Standard	MASTICOLL	IDROFIX
Appearance		viscose liquid	viscose liquid
Colour		Black	Black
Density	EN 2811-1	1.40 ± 0.10 kg/L	1.10 ± 0.10 kg/L
Dry residue - at 130°C	UNI EN ISO 3251	85 ± 5%	67 ± 3%
Flammability point - closed container	ASTM D 3828-87	> +23°C	-
Storage in original packaging in a dry place, away from frost		12 months	12 months
Workability characteristics			
Application temperature		+10°C to +35°C	+10°C to +35°C
Waiting time - for dust-free drying (*)		approx 30 ÷ 60 minutes	approx 30 ÷ 60 minutes
Waiting time - till tack-free drying (*)		approx 90 ÷ 120 minutes	approx 90 ÷ 120 minutes
Waiting time - for total dry (*)		approx 48 hours	approx 72 ÷ 96 hours
Appication		Manual	Manual

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These parameters may vary based on the specific conditions of the worksite: temperature, humidity, ventilation, porosity of the substrate.**

(*) The times indicated will be longer or shorter as the temperature drops or rises.

(See previous)

an hour before attaching the panels. This lets part of the aggressive solvents, which would otherwise damage the polystyrene, evaporate.

When spot bonding, IDROFIX should be applied by spatula in the four corners and in the centre of the insulating panels. As soon as the product has been applied, press on the insulating panel to ensure complete adhesion. For this spot bonding application, the consumption is around 500 g/m² (5 points per m²).

To obtain maximum adhesion when applying on bituminous surfaces, we recommend that you wait for when the product is dry dust free, i.e. when most of the water has evaporated. We advise you to perform some preliminary tests.

• CONSUMPTION

The consumption of MASTICOLL and IDROFIX varies according to the application, and is on average about 700-1,000 g/m².

• PRECAUTIONS

MASTICOLL

- Do not use inside houses or in non-ventilated environments.
- Do not apply on wet or very damp surfaces.

- Do not mix with cement or water.
- If there is sediment in the cans, we recommend that you mix the product before using until it is completely even.
- Do not use INDEVER and INDEVER WET CONCRETE to waterproof tanks, cellars or drains subject to high water counter-thrust or to water under pressure.
- Do not use the product to waterproof surfaces or containers in contact with liquids for human consumption, drinking water or which may come into contact with solvents or mineral oils.
- After use clean tools using diesel or other common thinners (synthetic, white spirit or nitro thinner). It is recommended to immerse the tools in the thinner also during use, to prevent any product residue drying and making the tools unusable.
- Store in original packaging at temperatures above +10°C away from sources of heat and naked flames. Close the containers again after use.

IDROFIX

- We do not recommend applying the product in winter at low temperatures. Avoid

applying the product in very hot or very cold weather. Do not apply when the temperature is likely to drop below +5° c.

- Do not apply on wet or very damp surfaces.
- Do not mix with cement.
- If there is sediment in the cans, we recommend that you mix the product before using until it is completely even.
- After use, clean all tools with water if the product has not yet dried, or with common thinners if the product has dried.
- Store in original packaging at a temperature of not below +5°C. Close containers after use.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

Packaging

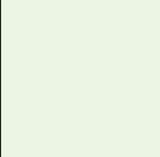
MASTICOLL

25-kg Pail

IDROFIX

20-kg Pail

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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