



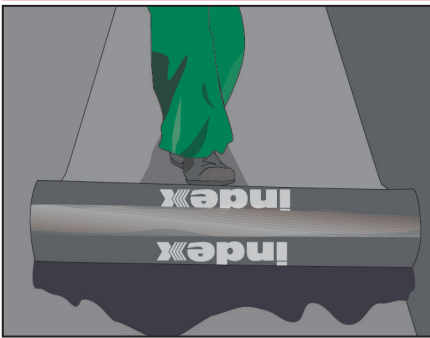
# MASTIPOL

**SOLVENT-BASED BITUMINOUS ADHESIVE  
FOR BONDING BITUMEN POLYMER MEMBRANES  
TO CONCRETE, TIMBER, OLD BITUMINOUS COVERINGS,  
EXPANDED POLYURETHANE, ROCK WOOL AND EXPANDED PERLITE**

CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE			PRECAUTIONS
<b>S</b> SOLVENT BASED	<b>A</b> ONE-COMPONENT		 MIX MECHANICALLY	 SQUEEGEE APPLICATION	 APPLY BY TROWEL	

## PROBLEM

**COLD BONDING BITUMEN  
POLYMER MEMBRANES ONTO  
CONCRETE, TIMBER, OLD  
BITUMINOUS COVERINGS,  
EXPANDED POLYURETHANE, ROCK  
WOOL AND EXPANDED PERLITE**



## SOLUTION

**MASTIPOL** is a bituminous adhesive based on special bitumens, elastomers, solvents and mineral fillers. It is formulated to ensure effective adhesion of the bitumen polymer membrane on concrete and wood. It is an easily trowellable paste and is spread evenly on the surface using an appropriate spreading tool. It reduces the negative effects of any cracks in the surface by creating an intermediate waterproof layer between the surface and the waterproofing membrane, and facilitating the identification of any water leaks. Complete adhesion considerably reduces the tension caused by temperature changes in exposed coverings, thus reducing the formation of folds. Cold application reduces fire risks, due both to the limited use of a naked flame and to the substantial reduction in the number of cylinders on the site.

## APPLICATION FIELDS

**MASTIPOL** is used to bond bitumen polymer membranes to the roofs of concrete or timber civil and industrial buildings. **The roofs must be horizontal, with a maximum pitch of 5%. For pitches greater than 5%, bonding must be supplemented with mechanical fixing.**

## ADVANTAGES

- It is applied cold, replacing the oxidised bitumen used for hot application.
- Ready to use
- **MASTIPOL** is perfectly compatible with the components of the bitumen polymer membrane mix.
- It does not require the use of extruders.

## METHOD OF USE

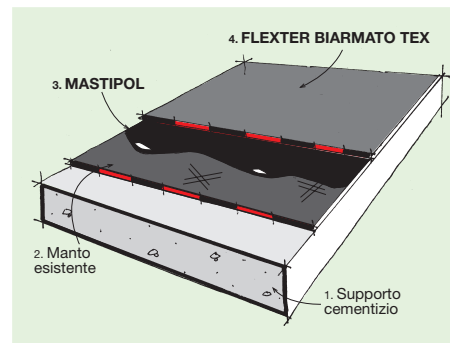
### • PREPARING THE SUBSTRATE

Surfaces must be smooth and regular, perfectly clean without any loose or friable parts, dry and free from oil and grease. We recommend applying at surface temperatures higher than +5°C.

### • APPLICATION

Mix well until a uniform product is obtained. Pour the product onto the surface. Then spread the adhesive uniformly across the whole surface with a suitable spreader (1). To avoid excessively long drying times, we recommend not spreading adhesive

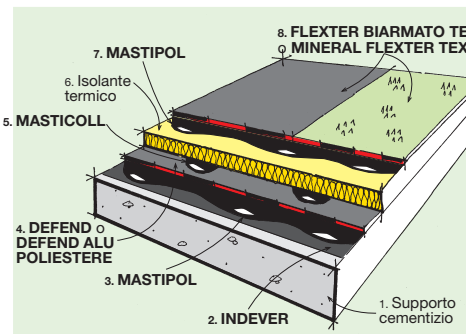
thicknesses of more than 2 mm.



### RENOVATION OF EXISTING WATERPROOFING

#### LAYER STRUCTURE

1. Concrete substrate
2. Existing covering
3. MASTIPOL
4. FLEXTER BIARMATO TEX



### NON-WALKABLE FLAT ROOF

#### LAYER STRUCTURE

1. Concrete substrate
2. INDEVER
3. MASTIPOL
4. DEFEND or DEFEND ALU POLIESTERE
5. MASTICOLL
6. Thermal insulation
7. MASTIPOL
8. FLEXTER BIARMATO TEX or MINERAL FLEXTER TEX

## TECHNICAL CHARACTERISTICS

	Standard	MASTIPOL
Appearance		Paste
Colour		Black
Density	EN 2811-1	1.30 ± 0.10 kg/
Dry residue - at 130°C	UNI EN ISO 3251	80 ± 4%
Flammability point - closed container	ASTM D 3828-87	> +23°C
Storage in original packaging in a dry place		12 months
<b>Workability characteristics</b>		
Application temperature		+5°C to +35°C
Waiting time - for dust-free drying (*)		about 60 minutes
Waiting time - till touch dry (*)		approx. 72 to 96 hours
Application		manual

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.

(\*) The stated times may be longer or shorter as the temperature decreases or increases.

(See previous)

Once spreading has been completed, the bitumen polymer membrane can be laid (2). Depending on the environmental conditions of the surface, we recommend waiting 10 to 20 minutes before laying the membrane (the waiting time will be shorter in high temperatures and with very absorbent substrates). The wait promotes the evaporation of the solvent and reduces the drying time of the adhesive. For bonding onto old bitumen polymer membranes, make a cross-shaped incision on any bulges and treat them with **MASTIPOL**. Cracks must also be filled with **MASTIPOL**, if necessary reinforced with glass fibre fabric.



### • COVERAGE

The coverage of **MASTIPOL** is approximately 1-1.2 kg/m<sup>2</sup>, depending on the type of substrate.

### • PRECAUTIONS

- Do not use inside unventilated dwellings or spaces.
- Do not apply on wet or excessively damp surfaces.
- Do not mix with cement or water
- If there is any sediment in the bottom of the tin, mix until it is fully blended before use.
- Do not use to waterproof tanks, cellars or channels subject to strong water backflow or pressurised water.

- Do not use to waterproof surfaces or containers where edible liquids and drinking water are kept or which may come into contact with solvents or mineral oils.
- After use, clean tools using diesel or other common solvents (synthetic, white spirit or nitro

thinner). We recommend also immersing tools in the solvent during use, to prevent any product residue drying and making the tools unusable.

- Store in original packaging at a temperature not less than +5°C, away from sources of heat and naked flames. Reclose the 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

**MASTIPOL**  
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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