



# Idrostop Mastic

**One-component thixotropic adhesive for bonding Idrostop water-resistant rubber profile**



## WHERE TO USE

Adhesive used to bond **Idrostop** when making waterproof work joints in the civil, industrial and hydraulic construction sectors.

## Some application examples

- Bonding **Idrostop** to concrete between foundation slabs and vertical walls before carrying out second pours.
- Bonding **Idrostop** around PVC and steel pipes before pouring concrete.

## TECHNICAL CHARACTERISTICS

**Idrostop Mastic** is a one-component thixotropic adhesive made from sililated polymers characterised by its high initial tack and rapid final hardening. It contains no solvents and does not give off unpleasant odours. It also has very low emission of volatile organic compounds and is certified EC1 R Plus by the GEV Institut.

When the product is extruded from the cartridge, it forms a paste that may be applied on horizontal and vertical surfaces. At +5°C to +35°C it sets by reacting with the moisture in the air to form a plastic bead.

**Idrostop Mastic** adheres perfectly to surfaces, including on slightly damp surfaces, as long as they are clean and sound. Its creamy consistency compensates for slight differences in the flatness of substrates where **Idrostop** is to be applied.

## RECOMMENDATIONS

- Do not apply **Idrostop Mastic** if the bonding surface is highly contaminated with acid or solvent. Carefully clean the surface prior to application.
- Do not use **Idrostop Mastic** if the temperature is lower than +5°C or higher than +35°C.

## APPLICATION PROCEDURE

**Idrostop Mastic** adheres well to a wide range of substrates, such as cement-based and cement-derived surfaces, metal and plastic. Before applying **Idrostop Mastic** on concrete, make sure the surface is clean and sound, that there are no traces of oil, grease or wax and remove all cement laitance with a brush. When applying **Idrostop Mastic** on metal pipes, make sure there is no oil, grease or lubricating oil on the pipes. If surfaces need to be de-greased use a normal solvent-based cleaner such as acetone, ethyl acetate or toluene. When applying the product on plastic, we recommend lightly sanding the surface before applying **Idrostop Mastic**.

**Idrostop Mastic** is supplied in 300 ml cartridges with a pre-cut nozzle to form a bead of triangular section. Cut the threaded part of the cartridge, screw on the nozzle, insert the cartridge in a standard silicone sealant gun and apply the product to the substrate. Immediately of applying **Idrostop Mastic** on the surface, place **Idrostop** in position and press it down onto the substrate while moving it slightly in all directions to make sure it adheres perfectly. The concrete may then be poured after 24 hours.

## Cleaning

Clean wet **Idrostop Mastic** from tools with normal a solvent product (ethyl acetate, petrol or toluene). Once completely hardened, cleaning must be carried out mechanically.

## PACKAGING

Boxes containing twelve 300 ml cartridges.

## CONSUMPTION

Approximately 300 ml every 5 metres of **Idrostop**.

# Idrostop Mastic



TECHNICAL DATA (typical values)	
<b>PRODUCT IDENTITY</b>	
Consistency:	thixotropic paste
Colour:	white
Density (g/cm <sup>3</sup> ):	1.45 ± 0.03
Dry solids content (%):	100
EMICODE:	EC1 R Plus - very low emission
<b>APPLICATION DATA (at +23°C and 50% R.H.)</b>	
Application temperature:	from +5°C to +35°C
Dust dry:	10 mins.
Adjustment time:	5 mins.
Initial hardening time with non-absorbent substrates:	1 h 30 mins. (on dry substrates) 25 mins. (on damp substrates)
Final hardening time:	24 h
<b>FINAL PERFORMANCE</b>	
Final tensile strength (according to EN 1348) – after 7 days at +23°C (N/mm <sup>2</sup> ):	3.0
Final shear strength (according to EN 12004) – after 7 days at +23°C (N/mm <sup>2</sup> ):	3.0
Tear strength (according to ISO 34/1) – after 7 days at +23°C (N/mm <sup>2</sup> ):	14
Shore A hardness (DIN 53505):	80
In service temperature range:	-40°C to +90°C

## STORAGE

Idrostop Mastic cartridges may be stored for 18 months in their original packaging in a dry, cool area.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Idrostop Mastic is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. It is recommended to use protective gloves and goggles and to take the usual precautions for handling chemicals.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

## WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the

product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)



This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



**Our Commitment To The Environment**  
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



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