



New Guard Coatings Group

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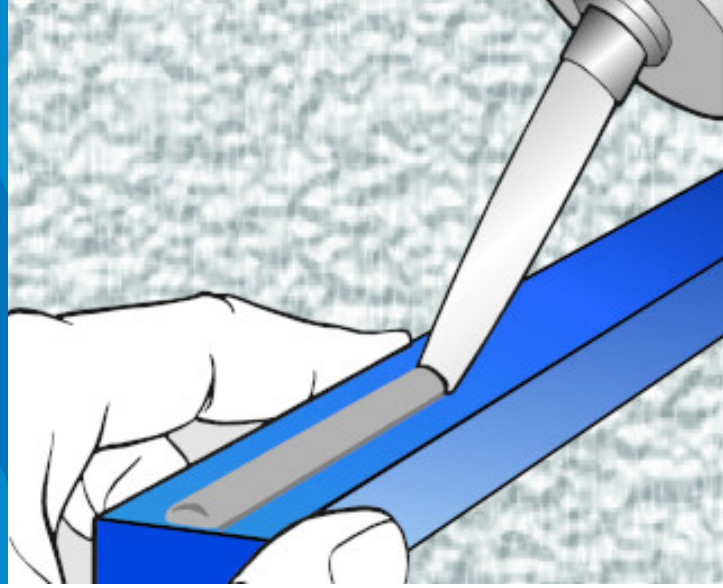
This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

IDROSTOP MASTIC

One-component thixotropic adhesive for laying
Idrostop hydrophilic expanding 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 silitated polymers characterised by its high initial tack and rapid final hardening. It contains no solvents and does not give off unpleasant smells. It also has very low emission of volatile organic compounds and is certified as EC1 Plus. 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 steel 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 after 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**.

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 regulation 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 Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	thixotropic paste
Colour:	white
Density (g/cm ³):	1.45 ± 0.03
Dry solids content (%):	100
EMICODE:	EC1 Plus - very low emission
APPLICATION DATA (at +23°C and 50% R.H.)	
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
FINAL PERFORMANCE	
Final tensile strength (according to EN 1348) – after 7 days at +23°C (N/mm ²):	3.0
Final shear strength (according to EN 12004) – after 7 days at +23°C (N/mm ²):	3.0
Tear strength (according to ISO 34/1) – after 7 days at +23°C (N/mm ²):	14
Shore A hardness (DIN 53505):	80
In service temperature range:	-40°C to +90°C

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

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.com

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