

IDROSTOP B25

Hydro-expansive, bentonite jointing tape for sealing the second pour of concrete



WHERE TO USE

To form a waterproof seal between the second pour of concrete in civil and industrial building work.

Some typical application examples

- Waterproofing between the second pour of concrete between bases and concrete header walls.
- Sealing between different types of material, for example PVC and steel pipes, which pass through concrete swimming pools, depuration tanks, storage basins and general hydraulic works.
- Sealing elements which pass through **Mapeproof** bentonite membrane, such as reinforcing rods, pipe-work, foundation piles, etc.

TECHNICAL CHARACTERISTICS

Idrostop B25 is a water-stop material, composed of a mix of natural sodium bentonite and polymers which give the product exceptional properties of compactness, flexibility and stability, and is produced according to a formula developed in MAPEI's own Research & Development laboratories. The material's expanding process takes place in a controlled, gradual and uniform way without the risk of altering the balance of the mix. After expanding upon contact with water, **Idrostop B25** adapts perfectly to the volume defined by the surrounding boundaries. Thanks to this property, it offers a perfect seal between the second pour of concrete. **Idrostop B25** is able to perfectly seal the formation of localised honeycomb voids which are present in the concrete.

Idrostop B25 is available in 10 m rolls with a cross section of 20x25 mm.

RECOMMENDATIONS

- **Idrostop B25** must not be used if the structure is immersed in water at the moment of application. Remove any free-standing water from the surface.
- **Idrostop B25** must not be used if the surface on which it is to be laid is highly contaminated with acid or solvent. In these cases, thoroughly clean the surface, and contact the MAPEI Technical Assistance department.
- Do not apply **Idrostop B25** if the boundary distance is less than 8 cm.
- Do not use **Idrostop B25** as a structural joint (expansion joint).
- Reinforcement spacers must be placed at least 5 cm from the surface on which **Idrostop B25** is to be laid.

APPLICATION PROCEDURE

Preparation of the substrate

The surface of the concrete must be clean and sound at the time of applying **Idrostop B25**. Remove cement laitance and all waste material deposited on the surface during pouring operations.

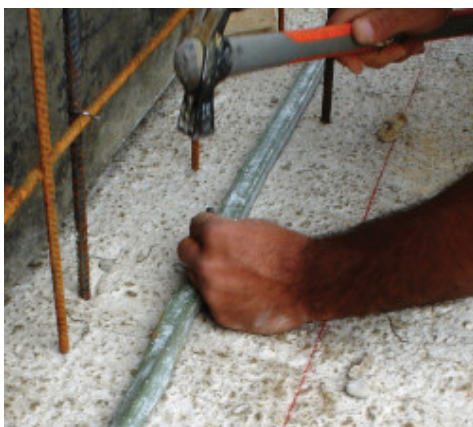
Idrostop B25 may also be applied on surfaces which are slightly damp.

Application

Idrostop B25 tape may be applied on concrete, metal and PVC after cleaning. Lay the **Idrostop B25** and fix in position with nails every 25 cm. The ends of the tape must overlap by approximately 6 cm. The thickness of the second pour with **Idrostop B25** protection must be at least 8 cm. Application temperature from -5°C to $+50^{\circ}\text{C}$.



Laying Idrostop B25



Fixing Idrostop B25 in place



Overlapping the ends of Idrostop B25



Overlapping the ends of Idrostop B25

PACKAGING

Idrostop B25 is supplied in cardboard boxes:

Section:	25x20 mm
Length of roll:	5 m
Rolls per box:	6

STORAGE

Idrostop B25 can be stored for 24 months the product in a dry place at a temperature between $+10^{\circ}\text{C}$ and $+40^{\circ}\text{C}$.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Form:	extruded tape
Colour:	dark green
Dimensions (mm):	20x25
Density (ASTM D71) (g/cm ³):	> 1.6
Soluble in water:	no
Main properties:	expands upon contact with water
Application temperature range:	from 15°C to +50°C
Expansion in water after 96 hours (%):	> 425

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

LEGAL NOTICE

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.

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