

# 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

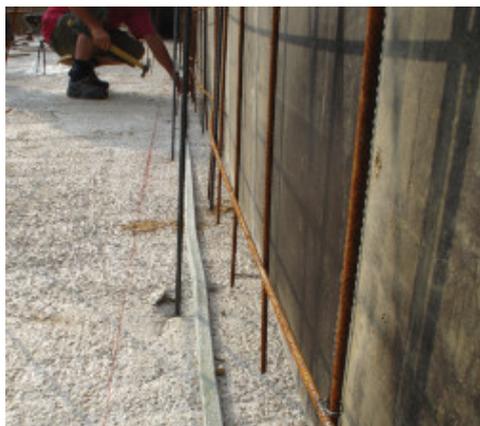
### Preparation of the substrate

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.

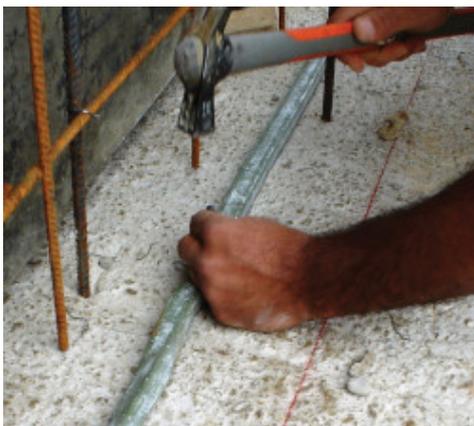
**Idrostop B25** may also be applied on surfaces which are slightly damp.

### 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  $-5^{\circ}\text{C}$  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  $+40^{\circ}\text{C}$ . 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.

### TECHNICAL DATA (typical values)

#### PRODUCT IDENTITY

Form:	extruded tape
Colour:	dark green
Dimensions (mm):	20x25

Density (ASTM D71) (g/cm <sup>3</sup> ):	> 1.6
Soluble in water:	no
Main properties:	expands upon contact with water
Application temperature range:	from -5°C to +50°C
Waiting time before pouring:	no waiting required
Expansion in water after 96 hours (%):	> 425

## WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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