

# MAPETEX SEL

Non-woven, macro-holed polypropylene fabric for reinforcing waterproofing membranes



## WHERE TO USE

Reinforcement in macro-holed polypropylene fabric used together with **Mapelastic Turbo** and **Mapelastic Smart**, flexible cementitious membranes for waterproofing and protecting concrete surfaces, and concrete units particularly subject to large deformations and, therefore, at risk of cracking.

### Some application examples

- Large-scale containment basins.
- Retaining walls.
- Foundations.
- Hanging gardens.
- Flat roofs.
- Swimming pools.
- Bathrooms and shower booths cubicles/wet rooms.
- Terraces.

## TECHNICAL CHARACTERISTICS

**Mapetex Sel** is a non-woven fabric, macro-holed to enhance the bond between the first and second layer of the flexible, waterproof membrane in which it is embedded.

**Mapetex Sel** is made up of continuous, synthetic, polypropylene fibres joined together with a mechanical needle-punch procedure. It is particularly recommended for strengthening **Mapelastic Turbo** and **Mapelastic Smart**.

Thanks to its special properties, the characteristics of **Mapelastic Turbo** and **Mapelastic Smart** such as toughness, punch-resistance, ultimate elongation and crack-bridging, are further improved.

## ADVANTAGES

- Remains unaltered and is resistant to alkalis contained in cement.
- Resistant to atmospheric agents.
- Dimensionally stable.
- Light and easy to handle.
- Easy to cut.
- May be adapted to the profile of all types of substrate.

## APPLICATION PROCEDURE

### Preparation of the substrate

#### A) Protection and waterproofing of concrete structures and units

The surface on which **Mapetex Sel** is to be applied must be sound and perfectly clean. Remove all cement laitance, flaky parts and traces of powder, grease, oil and release agents by sand-blasting or washing down with high-pressure waterjets.

If the structure to be waterproofed and protected with **Mapelastic Turbo**, **Mapelastic Smart** are deteriorated, repair the surfaces with products from the **Mapegrout** or **Planitop** ranges after removing all damage.

#### **B) Waterproofing of terraces, balconies, bathrooms and swimming pools**

##### · CEMENTITIOUS SCREEDS:

- slump cracks or cracks caused by plastic or hygrometric shrinkage must be sealed beforehand with **Eporip**;
- if thicknesses of up to 2 cm have to be levelled (to create falls, fill out dips, etc.) use **Adesilex P4**.

##### · EXISTING FLOORS:

- existing floors and coverings in ceramic, gres, klinker or terracotta etc. must be well bonded to the substrate and free from substances which could compromise the bonding, such as grease, oil, wax, paint, etc.

##### · RENDERS:

- cementitious render must be sufficiently cured (7 days per cm of thickness in good weather conditions), well bonded to the substrate, resistant and free from all dust and paint;
- dampen absorbent surfaces to be treated beforehand with water.

### Application procedure for Mapetex Sel

1. Preparation of **Mapelastic Turbo** or **Mapelastic Smart** (refer to their technical data sheets).
2. Manual application or by spray of a 1-2 mm thick uniform layer of **Mapelastic Turbo** or **Mapelastic Smart**.
3. While the product is still fresh, carefully lay the **Mapetex Sel** on the surface, and press it firmly using a flat-bladed trowel to make sure that it is perfectly wetted.
4. Application of a uniform 1-2 mm thick second layer of **Mapelastic Turbo** or **Mapelastic Smart**, in order to completely cover **Mapetex Sel**.

Adjacent sheets of **Mapetex Sel** must overlap by at least 5 cm at both the longitudinal and transverse junction points.

## PACKAGING

**Mapetex Sel** is available in 25 m long rolls with a width of 1 m.

## STORAGE

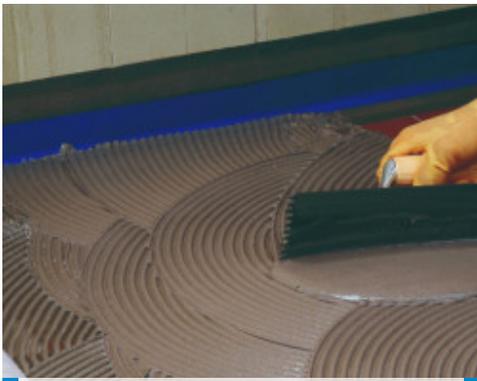
Store in a dry, covered area.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

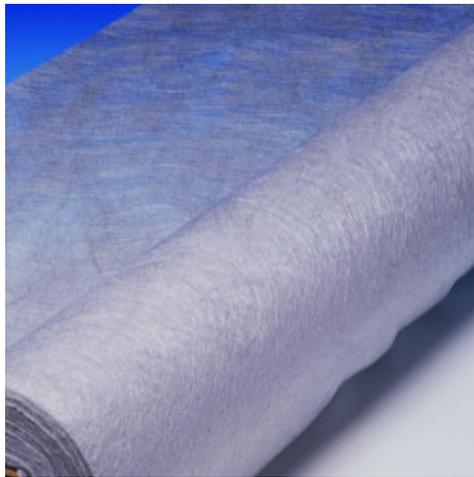
**Mapetex Sel** is an article and referring to the current European regulations (Reg. 1906/2007/CE - REACH) does not require the preparation of the material safety data sheet. During use it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Type of fibre:	polypropylene
Appearance:	macro-holed non-woven fabric (0,2 mm diameter holes)
Weight (g/m <sup>2</sup> ):	80
Thickness (mm):	0.6
Tensile strength (EN ISO 10319) (KN/m):	3.9 (longitudinal direction) 4.1 (transversal direction)
Deformation at maximum strain (EN ISO 10319) (%):	80 (longitudinal direction) 45 (transversal direction)



Application of the first layer of Mapelast, and successive laying of Mapetex Sel



## 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)

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911-12-2018-gb

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