

PRIMER FT

Two-component ultra-rapid polyurea primer for Purtop waterproofing systems



WHERE TO USE USE

Two-component ultra-rapid polyurea primer for treating cementitious substrates before applying waterproofing membranes from the **Purtop** range.

TECHNICAL CHARACTERISTICS

Primer FT is a special two-component formulate developed in the MAPEI R&D laboratories that cures in 30 minutes and, when used with membranes from the **Purtop** range, it allows the waterproofing system to be applied in just one day.

Primer FT has the following characteristics:

- rapid-curing: 30 minutes (at +23°C and 50% R.H.);
- easy to apply with a roller, trowel or rake.

RECOMMENDATIONS

- Do not apply **Primer FT** on substrates with rising damp or with more than 4% moisture content.
- Do not dilute **Primer FT** with solvents or water.
- Do not apply **Primer FT** on dusty, crumbling or weak substrates.
- Do not apply **Primer FT** on substrates with oil or grease stains or that are dirty in general.
- Do not apply **Primer FT** on substrates that have not been prepared as specified.
- Do not expose the mixed product to sources of heat.
- The temperature of the substrate must be at least 3°C higher than the dew-point temperature.

APPLICATION PROCEDURE

Preparation of the substrate

Surfaces to be treated with the product must be clean and sound with no crumbling or detached areas. The level of moisture in the substrate must be a maximum of 4% and there must be no capillary rising damp. Prepare surfaces with a suitable mechanical process (e.g. shot-blasting) to remove all traces of dirt, cement laitance and crumbling or detached areas and to create a slightly rough, absorbent surface. Before applying **Primer FT**, remove any traces of dust from the surface with a vacuum cleaner.

Preparation of the product

Mix the two components that make up **Primer FT** together just before use with a suitable electric mixer at low speed to prevent entraining air into the mix, for around 2 minutes, or until thoroughly blended.

Application of the product

Apply **Primer FT** with a roller, trowel or rake on the substrate prepared as specified, in one or two coats depending on its condition, so that it is completely saturated and all surface porosity is sealed. If the maximum recoat time is exceeded, apply another coat of primer before applying the membrane from the **Purtop** range.

Cleaning

Clean tools used to prepare and apply **Primer FT** immediately after use with thinners. Once hardened, the product may only be removed mechanically.

CONSUMPTION

About 0.3 kg/m² per coat depending on the condition of the substrate (roughness, absorbency, temperature, etc.).

PACKAGING

Primer FT is supplied in a metal container.
Component A: 4.7 kg can.
Component B: 0.7 kg can.

STORAGE

Primer FT may be stored for 12 months in its original packaging in a covered, dry area at +15°C to +25°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		
	component A	component B
Colour:	light yellow	colourless
Consistency:	liquid	liquid
Brookfield viscosity at +23°C (mPa·s):	80 (rotor 1 - 50 RPM)	35 (rotor 1 - 50 RPM)
Density (g/cm ³):	1.03	0.87
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	100/15	
Brookfield viscosity of mix at +23°C (mPa·s):	70 (rotor 1 - 50 RPM)	
Density of mix (g/cm ³):	1.01	
Pot life (mins.):	50 at +5°C 25 at +23°C 10 at +30°C	
Application temperature:	+5°C to +30°C	
Dust dry at +23°C (mins.):	30	
Dust dry at +5°C (mins.):	60	
Maximum recoat time (h):	24	

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

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