

# ECO PRIM T PLUS

Solvent free acrylic primer in water dispersion with very low emission of volatile organic compounds (VOC)



## WHERE TO USE

All-purpose primer for interiors to improve adhesion of levelling compounds on all absorbent and non-absorbent surfaces.

### Some application examples

- To prepare very compact and smooth cementitious renders and concrete floors before the application of MAPEI levelling products (see products for substrate preparation).
- To prepare surfaces with traces of glue or old existing smoothing compounds before smoothing or applying cementitious adhesives.
- Preparation of surfaces in gypsum, anhydrite, wood, marine plywood, chipboard, terrazzo, ceramic or natural stone before smoothing or applying cementitious adhesives.
- Bonding aid for cementitious smoothing compounds on substrates consolidated or waterproofed with **Primer MF** or **Mapeproof 1K Turbo** when the surface has not been sprinkled with sand.

## TECHNICAL CHARACTERISTICS

**Eco Prim T Plus** is a solvent-free, easily applied acrylic resin-based primer in water dispersion. It has excellent bonding, flexibility, water and ageing resistant characteristics.

**Eco Prim T Plus** is an easily applied, ready to use white coloured liquid. It is applied by brush or roller.

**Eco Prim T Plus** is not flammable and shows a very low emission of volatile organic compounds (can contribute valuable points towards Green Star™ credits), so it is absolutely harmless to the health of the installer and the end-user. It can be stored with no particular precautions.

**Eco Prim T Plus** complies with ASTM D 1308-87 standard for the resistance to urine.

## RECOMMENDATIONS

- Apply **Eco Prim T Plus** only on internal flooring.
- Use **Primer EP** or **Mapeprim SP** on magnesium substrates.
- Apply **Eco Prim T Plus** only on moisture-stable wood.
- Do not apply **Eco Prim T Plus** on substrates subject to rising damp.

## APPLICATION PROCEDURE

### Preparing the substrate

Substrates must be uniformly dry, sound, free of dust, loose particles, cracks, paint, wax, oil, rust other products that can interfere with bonding.

The regulations of each country must be strictly followed.

It is essential to make sure there is no rising damp present.

Unbonded screeds laid onto light-weight concrete or thermal-acoustic insulating layer and screeds over bare ground must be provided with a vapour barrier.

## APPLYING THE PRIMER

**Eco Prim T Plus** can be applied with a brush or roller. It is usually diluted 1 to 2 with water when applying on cementitious or anhydrite surfaces. It is used undiluted on existing ceramic tile, natural stone, wood and adhesive residues (as long as they are water resistant). When the adhesive is completely dry it is possible to apply a smoothing compound or mortar. Drying time varies with environmental conditions (temperature and humidity) approximately between 2 and 5 hours. However, it is recommended not to wait more than 24 hours.

If the product is used as a bonding aid for cementitious smoothing compounds on substrates treated with an epoxy or polyurethane moisture vapour barrier (such as **Primer MF** or **Mapeproof 1K Turbo**) and the surface has not been sprinkled with sand, **Eco Prim T Plus** must be applied undiluted once the moisture vapour barrier is dry (2-4 hours depending on product) and not after 24 hours of applying one of the above products. This application is acceptable when the smoothing compound thickness will be less than 10 mm.

## Cleaning

While still wet, **Eco Prim T Plus** can be cleaned from floors or wall coverings, tools, hands and clothing with water. When dry, use alcohol or **Pulicol 2000**.

## CONSUMPTION

Consumption varies from 0.10 to 0.20 kg/m<sup>2</sup>, depending on the porosity of the substrate and on how it is applied.

## PACKAGING

**Eco Prim T Plus** is available in 5 kg and 20 kg drums.

## STORAGE

Under normal conditions **Eco Prim T Plus** is stable for at least 24 months in its original sealed packaging. Avoid prolonged exposure to frost.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	fluid liquid
Colour:	light blue
Density (g/cm <sup>3</sup> ):	1.02
pH:	7.5
Dry solids content (%):	42
Brookfield viscosity (mPa·s):	600 (# 2 - 30 rpm)
GREEN STAR™:	contributes valuable points towards Green Star™ credits
APPLICATION DATA (at +23°C - 50% R.H.)	
Application temperature range:	from +5°C to +35°C
Drying time: – concrete-wood: – ceramic:	15-20 mins. 30-40 mins.
Waiting time before applying the adhesive or the smoothing compound over: – concrete-wood: – ceramic:	2-3 h. 4-5 h.
Resistance to moisture:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oils:	fair
Resistance to acids and alkali:	fair
Resistance to temperature:	excellent

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Eco Prim T Plus** is not considered as dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemical products. For further and complete information about the safe use of our product refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

## 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.au](http://www.mapei.com.au)**

## 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 effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at [www.mapei.com](http://www.mapei.com). ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.*

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