



# Eco Prim T Plus



[www.blauer-engel.de/uz113](http://www.blauer-engel.de/uz113)

**Solvent free, low odour 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 preparation of the substrate).
- 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 **Eco Prim PU 1K**, **Eco Prim PU 1K Turbo**, **Primer MF** or **Primer MF EC Plus** when the surface has not been sprinkled with sand.

## TECHNICAL CHARACTERISTICS

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

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

**Eco Prim T Plus** is not flammable and shows a very low emission of volatile organic compounds (EMICODE EC1 Plus), 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** on magnesium substrates.
- Apply **Eco Prim T Plus** on moisture-stable wood only when it is moisture stable.
- Do not apply **Eco Prim T Plus** on substrates subject to rising damp.

## APPLICATION PROCEDURE

### Preparation of the substrate

Substrates must be uniformly dry, sound, free of dust, loose parts, cracks, paint, wax, oil, rust, or 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

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

|                                       |   |
|---------------------------------------|---|
| <b>Consistency:</b>                   | fluid liquid  |
| <b>Colour:</b>                        | light blue  |
| <b>Density (g/cm<sup>3</sup>):</b>    | 1.02  |
| <b>pH:</b>                            | 7.5   |
| <b>Dry solids content (%):</b>        | 42  |
| <b>- EMICODE:<br/>- Blauer Engel:</b> | EC1 Plus - very low emission<br>RAL-UZ 113<br>For further and complete information refer to the<br>Material Safety Data Sheet |

### APPLICATION DATA (at +23°C - 50% R.H.)

|  |                            |
|--|----------------------------|
| <b>Application temperature range:</b>  | +5°C to +35°C              |
| <b>Drying time:</b><br>- concrete-wood:<br>- ceramic:  | 15-20 mins.<br>30-40 mins. |
| <b>Waiting time before applying the adhesive or<br/>the smoothing compound over:</b><br>- concrete-wood:<br>- ceramic: | 2-3 h.<br>4-5 h.           |

### FINAL PERFORMANCE DATA

|   |                                   |
|---|-----------------------------------|
| <b>Resistance to moisture:</b>          | excellent                         |
| <b>Resistance to ageing:</b>            | excellent                         |
| <b>Resistance to solvents and oils:</b> | fair                              |
| <b>Resistance to acids and alkali:</b>  | fair                              |
| <b>Resistance to temperature:</b>       | excellent                         |
| <b>Resistance to urine:</b>             | in compliance with ASTM D 1308-87 |

bare ground must be provided with a vapour barrier to prevent rising damp.

### APPLYING THE PRIMER

**Eco Prim T Plus** can be applied with a brush or roller. It is usually diluted 1 : 2 with water when applying on cementitious or anhydrite substrates. It is used undiluted on existing ceramic tile, natural stone, wood and adhesive residues (as long as they are water resistant). When the primer is completely dry, it is possible to apply a smoothing compound or mortar. Drying time varies with the absorbency of the substrate and 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 primer (such as **Primer MF**, **Primer MF EC Plus**, **Eco Prim PU 1K** or **Eco Prim PU 1K Turbo**) and the surface has not been sprinkled with sand, **Eco Prim T Plus** must be applied neat at least 4 hours and no more than 24 hours after applying one of the above primers.

This application is accepted in case of smoothing compounds lower than 10 mm and in case it's not installed traditional solid wood.

### 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 20, 5 and 1 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.

### 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. We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemicals. For further and complete information about the safe use of our product refer to the latest version of our Safety Data Sheet.

Keep out of reach of children. Ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. In case of contact with eyes or skin rinse immediately with plenty of water. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Clean tools with soap and water immediately after use. Only properly emptied containers may be recycled. Dried product residues can be disposed of as normal household waste. Product contains: BIT e CIT / MIT (3:1). For information for allergic people, please call at +39/02/67373.1.

*The product contains:*

Dispersion vehicle, polymer dispersion, pigment, inorganic fillers (Vdi-RL 01/June 2004).

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

**ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.**



This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



**Eco-Prim  
T Plus**



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