



Mapecryl Eco



Adhesive in water dispersion with a very low emission of volatile organic compounds (VOC), for bonding vinyl and fabric floor coverings



WHERE TO USE

Mapecryl Eco is used for bonding on all types of internal, absorbent substrates used in the building industry, and which are stable in the presence of humidity:

- homogeneous and heterogeneous vinyl floors in sheets or tiles;
- semi-flexible vinyl tiles;
- latex and foam, synthetic or polypropylene (ActionBac®) jute on non-woven polyester backed carpet”;
- latex, foam rubber and normal-backed non-woven fabric.

TECHNICAL CHARACTERISTICS

Mapecryl Eco is an easy-to-spread, acrylic polymer-based adhesive in water dispersion, in the form of a beige-coloured paste.

The waiting time for **Mapecryl Eco** is from 0-10 minutes, the pot-life is approximately 30 minutes (at +23°C) and it has a quick, tough initial bond.

Upon drying (after approximately 24 hours), **Mapecryl Eco** forms a tough, flexible film. Therefore, it may be used in environments subject to heavy traffic and is resistant to the passage of wheelchairs.

RECOMMENDATIONS

- Do not use at temperatures lower than +10°C.
- Do not apply the product on humid substrates or on substrates subject to rising damp.

APPLICATION PROCEDURE

Preparation of the substrate

The substrate must be dry, absorbent, flat, mechanically strong and free of cracks, dust, flaky parts, paint, wax, oil, rust, chalk and other substances which may impede bonding.

Check the humidity through the entire thickness using a carbide or electric hygrometer, keeping in mind that the latter type gives only a rough indication of the humidity level.

The maximum acceptable humidity level must observe the humidity level prescribed by the relevant manufacturers, i.e., indicatively a maximum of 2.5-3% for cementitious substrates and a maximum of 0.5% for lime or anhydrite-based substrates.

Screeds installed over light-weight concrete or over insulation layer or screeds laid directly onto earth must be provided with a vapour barrier to prevent rising damp.

If uneven substrates need to be levelled off, consolidated or repaired for cracks, please refer to the Technical Data Sheet for each specific product or call the MAPEI Technical Advisory Department.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	light beige
Density (g/cm³):	1.40
pH:	7
Brookfield viscosity (mPa·s):	70,000 (# 6 - 5 rpm)
Dry solids content (%):	79
Storage:	24 months in its original, unopened packaging. Protect against freezing
Hazard classification according to EC 1999/45:	none. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packing and Safety Data Sheet
EMICODE:	EC1 - very low emission
Inflammable:	no
Customs class:	3506 91 00
APPLICATION DATA	
Application temperature range:	from +15°C to +35°C
Waiting time:	0-10 minutes
Open time:	30 minutes
Set to light foot traffic:	after approx. 2 hours
Ready for use:	after approx. 24 hours
FINAL PERFORMANCES	
Resistance to moisture:	very good (for brief periods only)
Resistance to solvents and oils:	fair
Resistance to acids and alkali:	good
PEEL adhesion at 90° according to EN 1372 after 14 days at +23°C (N/mm):	
- homogenous PVC:	1.7
- Action-Bac®:	1.8

Acclimatisation

Before installing, make sure that the floor or wall covering and the substrate are acclimatised to the recommended temperature. Floor and wall coverings must be removed from the packaging several hours before installation. The sheets must be freely laid or at least loosened from their rolls to allow acclimatisation and the reduction of tension produced by the packaging.

Spreading the adhesive

Mapecryl Eco must be applied evenly on the substrate using a serrated trowel. The quantity applied must guarantee complete coverage of the back of the floor covering to be laid.

The trowel used must be chosen according to the uniformity of the substrate and the type of backing on the floor covering to be laid.

The waiting time for **Mapecryl Eco** varies from 0-10 minutes according to the absorbency of the substrate and surrounding environmental conditions (temperature, humidity level, etc.).

Laying the floor covering

Follow the manufacturer's instructions for the method of installation.

Lay the floor covering after the waiting time has expired, but while the adhesive is still able to be transferred onto the backing. The floor covering must be laid within 30 minutes. The surface of the floor covering must then be massaged using either a wooden trowel or a roller immediately after laying. Start from the centre and work towards the outside to guarantee perfect coverage and to eliminate any residual air bubbles.

Floors and dressings which are particularly irregular may require a further massage phase.

The floor is ready to light foot traffic after a few hours according to the surrounding temperature, the absorption of the substrate and porosity of the floor covering. Bonding is complete after approximately 24 hours.

Cleaning

Splashes and stains of **Mapecryl Eco** may be removed whilst still fresh with water. Once set, they must be removed with alcohol or **Pulicol**.

CONSUMPTION

Consumption varies according to the uniformity of the substrate or the backing of

the floor covering and the type of trowel used.

No. 1 trowel: 0.25-0.30 kg/m²;
No. 2 trowel: 0.30-0.35 kg/m²;
No. 3 trowel: 0.40-0.45 kg/m².

PACKAGING

Mapecryl Eco is supplied in 5, 16 and 25 kg drums.

STORAGE

Protect against freezing during transport and storage.

Under normal conditions, **Mapecryl Eco** remains stable for at least 24 months if stored in its sealed, original container.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecryl Eco is not considered a dangerous substance according to current norms and regulations regarding the classification of preparations. However, the use of protective gloves and goggles and the application of the usual precautions taken when handling chemical products are recommended. The Safety Data Sheet is available upon request.

FOR PROFESSIONAL USE.

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 application. 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.



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



Our Commitment To The Environment
More than 150 MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

**All relevant references
for the product are available
upon request and from
www.mapei.com**

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