MAPECRYL ECO

Multi-purpose adhesive for vinyl, textile and linoleum wall and floor coverings.





GEV-EMICODE EC 1 PLUS very low emission

www.blauer-engel.de/uz113

WHERE TO USE

Dispersion adhesive for PVC, linoleum and textile floor coverings.
For use on floors and walls in interior applications.
Suitable on:

- prepared, absorbent surfaces;
- underfloor heating systems.

Recommended for:

- static and dynamic loads, in residential and commercial environments;
- stresses from chair castors according to EN 12529.

Some application examples

Use **Mapecryl Eco** for bonding:

- homogeneous and heterogeneous PVC floor coverings in sheets;
- CV and multilayer PVC floor coverings;
- semi-flexible vinyl floor tiles (VCT);
- textile floor coverings with common backings (latex, PVC and polyurethane foam, natural jute and Action-Bac®, etc.);
- flocked textile flooring.

Suitable also for bonding:

- PVC wall coverings;
- needle-punch woven flooring also in latex;
- linoleum with natural jute backing (up to 2.5 mm thick).

TECHNICAL CHARACTERISTICS

Mapecryl Eco is an acrylic adhesive in water dispersion, formulated in a ready to use light beige paste.
Product properties:

- very easy to apply;
- fast and tough initial bonding;
- excellent wetting of the back of the coverings;
- high peel strength;
- suitable for exposure to castor wheels in accordance with EN 12529;
- not inflammable;
- EMICODE EC1 Plus (very low emission).

MAPEI®

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RECOMMENDATIONS

- Install at recommended temperatures, normally between +15°C and +35°C.
- Do not install on substrates not protected from rising damp.
- Use reactive adhesives such as **Adesilex G19** or **Adesilex G20** in the event of extreme temperatures due to solar radiation, intense mechanical stress by lift truck, forklift, etc. or frequent rinsing (in particular when the floor coverings are not welded or sealed).
- For vinyl floor coverings with poor dimensional stability, use a specific adhesive with the capacity to withstand movements caused for example by temperature variations, such as **Ultrabond Eco VS90 Plus** or **Ultrabond Eco 4 LVT.**

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be dry, absorbent, level, sound, mechanically strong, free of dust, loose particles, cracks, paints, wax, oil, rust, traces of gypsum or other products that can interfere with bonding.
On non-absorbent substrates, apply a smoothing compound to a minimum thickness of 2 mm.
The moisture content must comply with the local regulations.
It is essential to make sure there is no rising damp present. Un-bonded screeds laid over light-weight concrete or over insulation and screeds laid directly onto earth must be uncoupled by a vapour barrier.
To repair cracks in the substrate, consolidate and waterproof screeds, form new fast-drying screeds and level uneven substrates, please refer to the respective Technical Documentation or contact the Technical Services Department.

Acclimatisation

Before starting the installation, make sure that the floor or wall covering and the substrate are acclimatized to the recommended temperatures and R.H.

Spreading the adhesive

Mapecryl Eco is ready to use and does not need any preparation. Before using, stir the adhesive in the bucket.
Apply the adhesive evenly to the substrate with a suitable notched trowel.
When installing thin wall coverings, a long pile roller may be used alternatively (ensure the wetting of the backing material).

Installation of the flooring

Follow the manufacturer's instructions.
Leave a short waiting time (0-10 minutes) according to the application quantity, climatic conditions, substrate absorbency and type of covering. Make sure not to exceed open time (20-30 minutes) in order to ensure proper wetting of the back of the covering. Lay in covering while the adhesive is still wet: the adhesive ridges have to be impressed.
Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing. Avoid excessive stress on joints.
After some minutes of installing the floor covering, it is always necessary to carefully roll it down again or to firmly rub it down.
Note: *waiting and open time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with low-absorbent substrates.*

Cleaning

While still wet, **Mapecryl Eco** can be cleaned from floor coverings, tools, and clothings with water. When dry, clean with alcohol or a suitable solvent.

CONSUMPTION

Consumption varies with uniformity of substrate, the back of the flooring and type of trowel used.
MAPEI trowel no. 1: approx. 300-350 g/m²
MAPEI trowel no. 2: approx. 400-450 g/m²
Roller: approx. 200 g/m²
TKB A1/A2: approx. 250-350 g/m²
TKB B1: approx. 350-400 g/m²
TKB B2: approx. 400-500 g/m²

PACKAGING

Mapecryl Eco is available in 25 kg, 16 kg and 5 kg bucket.

STORAGE

Under normal conditions, **Mapecryl Eco** is stable for at least 12 months in its original sealed packaging. Avoid prolonged exposure to frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our product can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com
Keep out of the reach of children. Ensure good ventilation during and after use and drying. Do not eat, drink or smoke when using this product. In case of contact with skin or eyes, rinse immediately with plenty of water. Do not allow product to reach sewage system, water course or soil. Clean tools with soap and water immediately after use. Give only empty containers to recycling. Dried product residues may be disposed of as domestic waste. Product contains: BIT and CIT/MIT (3:1); For information for allergic people as well as the Technical Data Sheet, please call at +39/02/37673.1. The product contains: water, mineral fillers, binders, plasticizer, additive, preservatives (Vdl-RL 01/June 2018).
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	pale beige
Density:	1.40 g/cm³
pH:	8.0
– EMICODE:	EC1 Plus - very low emission
- Blauer Engel:	DE-UZ 113
	For further information refer to the Safety Data Sheet

APPLICATION DATA (at +23°C - 50% R.H.)	
Application temperature range:	+15°C to +35°C
Waiting time:	0-10 minutes
Open time:	20-30 minutes
Set to light foot traffic:	3-5 hours
Ready for use:	24-48 hours

FINAL PERFORMANCES DATA

PEEL +90° adhesion test according to ISO 22631 (N/mm): **– homogeneous PVC:** **- heterogeneous PVC:** **– linoleum:** **– carpet with Action-Bac® backing:**	in compliance with ISO 22636

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.

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

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