



# Ultrabond Eco 375

## Vinyl floor adhesive with long open time

### WHERE TO USE

Special adhesive for PVC floorings in commercial projects.

For use on floors and walls in interior applications.

Suitable on:

- level, absorbent surfaces;
- underfloor heating systems.

It can be used for:

- static and dynamic loads, including intense loads, in residential, commercial and industrial environments (e.g. in hospitals, shopping centres, airports, etc.);
- stresses from chair castors according to EN 12529.

### Some application examples

**Ultrabond Eco 375** is used for bonding:

- homogeneous and heterogeneous PVC floor coverings in sheets;
- CV and multilayer PVC floor coverings.

Suitable also for bonding:

- semi-flexible vinyl floor tiles (VCT);
- textile floor coverings (with latex-primed, PVC and polyurethane foam backings);
- flocked textile flooring;
- PVC wall coverings.

### TECHNICAL CHARACTERISTICS

**Ultrabond Eco 375** is a solvent free, acrylic adhesive

in water dispersion, formulated in a ready to use light beige paste. It is characterised by a good compromise between initial tack quickness and open time length and sets to form a tough, elastic film.

Product properties:

- very easy to apply;
- long open time;
- excellent wetting even with difficult coverings;
- high peel strength;
- tough, elastic film with “leg-effect”;
- very good adhesion to all PVC backings;
- exposure to castor wheels in accordance with DIN EN 12529;
- solvent free;
- not inflammable;
- EMICODE EC1 Plus (very low emission);
- harmless to the health of the installer and the end-user.

### RECOMMENDATIONS

- Install in recommended temperatures, normally between +15°C and +35°C.
- Do not install on substrates not protected from rising damp.

TECHNICAL DATA (typical values)	
<b>PRODUCT IDENTITY</b>	
Consistency:	creamy paste
Colour:	pale beige
Density (g/cm <sup>3</sup> ):	1.25
pH:	8.5
EMICODE:	EC1 Plus - very low emission
<b>APPLICATION DATA (a +23°C - 50% U.R.)</b>	
Application temperature range:	from +15°C to +35°C
Waiting time:	10-20 minutes
Open time:	40-50 minutes
Set to light foot traffic:	after 3-5 hours
Ready for use:	24-48 hours
<b>FINAL PERFORMANCE DATA</b>	
<b>PEEL 90° adhesion test according to EN 1372 (N/mm):</b> – homogeneous PVC: – heterogeneous PVC: – carpet with foam backing:	} in compliance with EN 14259

- Use **Adesilex G19** or **Adesilex G20** in the event of extreme temperatures due to solar radiation, intense mechanical stress by lift truck, forklift, etc. or moisture from above (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 by temperature variations, such as **Ultrabond Eco VS90 Plus** or **Ultrabond Eco 4 LVT**.

#### APPLICATION PROCEDURE

##### Preparing 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.

Commonly, the moisture content must be max. 2%-2.5% for cementitious substrates (max. 0.5% for gypsum or anhydrite-based substrates).

*The regulations of each country must be strictly followed.*

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 separated by a vapour barrier to prevent rising damp.

To repair cracks in the substrate, consolidate and waterproof screeds, form new fast-drying screeds and level uneven substrates, please refer to the relevant Technical Documentation or contact the MAPEI Technical Services Department.

##### Acclimatisation

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

##### Spreading the adhesive

**Ultrabond Eco 375** 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 nap roller may be used as an alternative (ensure the wetting of the backing material).

### Installing the flooring

Follow the manufacturer's instructions

Leave a waiting time (10-20 minutes) according to the application quantity, climatic conditions, substrate absorbency and type of covering. Only apply as much adhesive that be covered within the open time and with good transfer to the backing of the covering. Place the floor covering into the still wet or semi-dry adhesive bed: 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 at the seams. After 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, **Ultrabond Eco 375** can be cleaned from floor coverings, tools, hands and clothing 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. 250-300 g/m <sup>2</sup>
MAPEI trowel no. 2:	approx. 350-450 g/m <sup>2</sup>
Roller:	approx. 200 g/m <sup>2</sup>
Notch TKB A1/A2:	approx. 200-300 g/m <sup>2</sup>
Notch TKB B1:	approx. 300-350 g/m <sup>2</sup>

### PACKAGING

**Ultrabond Eco 375** is available in 16 kg drums.

### STORAGE

Under normal conditions, **Ultrabond Eco 375** is stable for at least 12 months in its original

sealed packaging. Avoid prolonged exposure to frost.

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Ultrabond Eco 375** is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend the use of 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 please 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](http://www.mapei.com)



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



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