



# Ultrabond Eco Fix

**Adhesive in water dispersion with very low emission of volatile organic compounds (VOC), with permanent tack for dry-lay floor tiles**



## WHERE TO USE

- Non-permanent fixing of textile floors with dry-lay floor tiles.
- Non-permanent fixing of resilient floors with dry-lay floor tiles.

## Some application examples

Ultrabond Eco Fix is used as an antislip fixing for:

- dry-lay carpet tiles with all types of backing;
- dry-lay PVC tiles with PVC latex mousse backing;
- venetian carpets

## ON

- all normal substrates used in building as long as they are moisture-stable;
- existing floors of every type: wood, PVC, rubber, semi-flexible vinyl, linoleum, ceramic, marble, etc;
- raised floors of every type.

## TECHNICAL CHARACTERISTICS

Ultrabond Eco Fix is a solvent free adhesive based on acrylic resins in water dispersion, formulated as an easily trowelable light cream paste, for application by roller, brush or trowel.

When dry, the **Ultrabond Eco Fix** film remains permanently tacky, even after repeated removal and

successive relaying of the floor tiles, it is therefore possible to remove or substitute the flooring easily.

**Warning:** if installing on not perfectly dry **Ultrabond Eco Fix** (when it can still be transferred onto the back of the floor tiles) it has a permanent adhesive strength.

**Ultrabond Eco Fix** can be used in areas with heavy foot and normal wheeled chair traffic.

**Ultrabond Eco Fix** is not inflammable with very low emissions of volatile organic compounds (EMICODE EC1), so it is absolutely harmless to the health of the installer and the end-user. It can be stored with no particular precautions.

## RECOMMENDATIONS

- Install within the recommended temperature, normally between +15°C and +35°C.
- Do not install on damp substrates or on substrates not isolated from possible rising damp (crawl spaces, damp walls, etc).
- On very absorbent substrates, first apply a coat of **Eco Prim R** before applying **Ultrabond Eco Fix**.

## APPLICATION PROCEDURE

### Preparing the substrate

Substrates must be dry, absorbent, even, sound, mechanically strong, free of dust, loose particles, cracks, paint, wax, oil, rust, traces of gypsum or other material that can interfere with bonding.

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Example of rubber flooring tiles laid using Ultrabond Eco Fix - IBM Centre - Spain



Carpet laid in Post Office Centre using Ultrabond Eco Fix - Post Tower - Italy

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

|                               |                               |
|-------------------------------|-------------------------------|
| Consistency:                  | creamy paste                  |
| Colour:                       | light beige                   |
| Density (g/cm <sup>3</sup> ): | 1.07                          |
| pH:                           | 8.5                           |
| Brookfield viscosity (mPa·s): | 40 000<br>(6 rotors - 20 rpm) |
| Dry solids content (%):       | 71                            |
| EMICODE:                      | EC1 - very low emission       |

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

|                                |   |
|--------------------------------|---|
| Application temperature range: | from +15°C to +35°C   |
| Waiting time:                  | install once the adhesive becomes transparent from 30 minutes to 3 hours depending on the adhesive quantity, dilution of the adhesive and the type of substrate |
| Set to light foot traffic:     | immediately after installation  |
| Ready for use:                 | immediately after installation  |

### FINAL PERFORMANCE DATA

|                                     |           |
|-------------------------------------|-----------|
| Resistance to wheeled chair stress: | good      |
| Underfloor heating systems:         | suitable  |
| Resistance to moisture:             | good      |
| Resistance to ageing:               | excellent |

The regulations of each single country must be doserved.

The moisture content must be as follows: for cement substrates, a maximum of 2.5%-3%; for gypsum or anhydrite-based substrates, a maximum of 0.5%.

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

Unbonded screeds over light-weight concrete or over layers of insulation and screeds laid directly onto earth must be isolated by a vapour barrier to prevent rising damp.

**Ultrabond Eco Fix** can usually be applied directly to the surface of raised floors. To repair cracks in the substrate, form fast-drying screeds and level uneven screeds, it is recommended to refer to the section in the MAPEI catalogue concerning the preparation of substrates or contact the Technical Advisory Department.

### Acclimatisation

Before installing, make sure the floor, the adhesive and the substrate are acclimatised to the recommended temperature.

The floor covering must be removed from the packaging several hours before installing.

### Spreading the adhesive

**Ultrabond Eco Fix** is applied with a notched trowel on the substrate where the carpet tiles are to be fixed and subsequently removed (in this case the tiles that are removed will remain free of adhesive).

When the substrate must remain clean, **Ultrabond Eco Fix** must be applied to the tile back.

Spread the adhesive with MAPEI notched trowel No. 1 for a coverage of 0.15-0.20 kg/m<sup>2</sup>.

For the installation of particularly stable floor tiles on non absorbent floors and

perfectly smooth floors (for example marble, PVC, raised floors, varnished wood, etc.), **Ultrabond Eco Fix** can be applied by roller, in this case it is necessary to dilute the adhesive with 20% water.  
Consumption: 0.15-0.20 kg/m<sup>2</sup>.

In both applications, it is essential to wait until complete evaporation of water. Waiting time can vary from 30 minutes to 12 hours depending on ambient temperature, type of substrate, dilution and quantity of adhesive spread.

In practice the flooring can be positioned once the white coloured **Ultrabond Eco Fix** becomes transparent.

### **Installing the flooring** Follow the manufacturer's instruction for the method of installation.

Position the floor and uniformly press the surface of the flooring.

Should the tackiness of **Ultrabond Eco Fix** diminish over time because of dust or other factors, it can be restored easily by applying a new coat.

### **Cleaning**

While still wet, **Ultrabond Eco Fix** can be cleaned from floors, tools, hands and clothing with water. When dry, use alcohol. When dry, **Ultrabond Eco Fix** can be removed from substrates with **Pulicol 2000**.

### **CONSUMPTION**

Consumption varies with uniformity of substrate, the back of the flooring and installation method (trowel, roller or brush).

MAPEI trowel No. 1 0.15-0.20 kg/m<sup>2</sup>  
Roller 0.10-0.15 kg/m<sup>2</sup>

### **PACKAGING**

**Ultrabond Eco Fix** is available in 10 and 5 kg buckets.

### **STORAGE**

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

## **SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION**

**Ultrabond Eco Fix** is not hazardous 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 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)**



**Ultrabond  
Eco Fix**



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