



# Ultrabond Eco Fix

Solvent-free pressure sensitive adhesive



## Very low TVOC emissions



### WHERE TO USE

**Ultrabond Eco Fix** is a solvent-free, non-staining acrylic-based pressure sensitive adhesive with very low emissions of volatile organic compounds (VOC).

Used for both permanent and release bonding of a wide range of floor coverings, **Ultrabond Eco Fix** has an extremely strong bond when laid into wet, and excellent dry tack strength.

### Some application examples

**Ultrabond Eco Fix** can be used:

- for the permanent bonding of PVC/vinyl sheet and tiles, most carpets, smooth-backed thin rubber sheet and tile;
- as a pressure sensitive adhesive for the release bonding of underlays, carpet tiles, vinyl's and dimensionally stable carpet, it may be applied over all normal moisture stable substrates used in construction; wood, PVC, rubber, semi-flexible vinyl, linoleum, raised floors/panels of all types, ceramic, marble etc;
- in areas with heavy foot and wheeled traffic, it is non-flammable with very low emissions of volatile organic compounds (EMICODE EC 1), it also has the IMO certificate so it is completely harmless to the health of the end user, it can be stored with no particular precautions;

- over underfloor heating systems (surface temperature must not exceed British Standard recommendations) the heating should be switched off at least 48 hours before and after the installation of the floor covering.

### RECOMMENDATIONS

- Install in recommended temperatures, normally between +15°C and +35°C.
- On highly absorbent substrates, first apply a coat of **Eco Prim R** before applying **Ultrabond Eco Fix**.
- Floors with a moisture level above 75% R.H. should be treated first with MAPEI surface membrane.

### APPLICATION PROCEDURE

#### Acclimatisation

Before beginning the installation, make sure that the adhesive, the material and the substrate are acclimatised to the recommended temperature.

The material must be removed from any packaging and laid out to permit acclimatisation and reduction of tensions produced by packaging.

#### Smoothing/levelling compounds

Any cracks in the substrate should be filled with **Eporip** and deep indentations repaired with **Nivorapid** followed by the application of an appropriate MAPEI smoothing/levelling compound.

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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 IDENTIFICATION

<b>Consistency:</b>	creamy paste
<b>Colour:</b>	light cream
<b>Density (g/cm):</b>	1.07
<b>pH:</b>	8
<b>Dry solid content (%):</b>	71
<b>Brookfield viscosity (mPa·s):</b>	40000 (6 rotors - 20 RPM)
<b>Storage:</b>	24 months in original unopened packaging
<b>Hazard classification according to EC 99/45:</b>	none. Before using refer to the "Safety instructions for the preparation and application" paragraph and the information on the packing and Safety Data Sheet
<b>EMICODE:</b>	EC 1 - very low emission
<b>Customs class:</b>	3506 91 00

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

<b>Application temperature range:</b>	from +15°C to +35°C
<b>Waiting time:</b>	the installation should be carried out once the adhesive has become transparent or immediately if a permanent bond is required

### FINAL PERFORMANCE DATA

<b>Resistance to wheelchair stress:</b>	good
<b>Underfloor heating systems:</b>	suitable
<b>Resistance to moisture:</b>	good
<b>Resistance to ageing:</b>	excellent

On new uneven concrete, or other impervious substrates, the levelling compound should be applied at a minimum thickness of 3 mm.

Where a concrete base has had surface treatment, this should be mechanically removed prior to the application of the levelling/smoothing compound.

### Applying the adhesive

Apply the adhesive evenly over the

substrate with an A2-notched trowel or a roller. If a permanent bond is required, the floor covering should be laid into the adhesive while still wet; if a release bond is required the **Ultrabond Eco Fix** should be allowed to dry.

### Drying time

From 30 minutes to 3 hours, depending on the amount of the adhesive, the type of substrate and temperature condition.

## Cleaning

Fresh adhesive can be cleaned off with water.

Once hardened, the dried adhesive can be cleaned off with **Pulicol** or white spirit.

## CONSUMPTION

Approx. from 50 up to 70 sqm for 10 kg buckets if applied by trowel.

Approx. from 70 up to 100 sqm for 10 kg buckets if applied by roller.

## PACKAGING

**Ultrabond Eco Tack** is available in 10 kg buckets.

## STORAGE

The shelf life of **Ultrabond Eco Tack** is 24 months if stored in its original unopened packaging.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Ultrabond Eco Fix** is not considered dangerous according to the current norms on the classification of chemical products. It is recommended to take the usual precautions for handling chemical products.

The Safety Data Sheet is available on request for professional users.

PRODUCT FOR PROFESSIONAL USE.

## N.B.

*Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application.*

*No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.*

*End users should ensure that our latest product data and safety information sheets have been consulted prior to use.*



This symbol is used to identify Mapei products which do not contain solvents, and which give off a low level of volatile organic compounds (VOC); proof of MAPEI's commitment in safeguarding the environment.



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 Verlegetwerkstoffe e.V.), an international organisation for controlling the level of emissions from products used for floors.

**All relevant references  
of the product are available  
upon request**

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