



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 IDENTIFICATION

Consistency:	creamy paste
Colour:	light beige
Density (g/cm³):	1.07
pH:	8.5
Brookfield viscosity (mPa·s):	40 000 (6 rotors - 20 rpm)
Dry solids content (%):	71
Storage:	24 months in original sealed packaging. Protect from frost
Hazard classification according to EC 99/45:	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
Custom class:	3506 91 00

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/m².

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/m².

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**.

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/m²
Roller 0.10-0.15 kg/m²

PACKAGING

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

STORAGE

Under normal conditions **Ultrabond Eco Fix** is stable for at least 24 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 regulations on the classification of mixtures. It is recommended to take the usual precautions for handling chemical products.
The Safety Data Sheet is available on request.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this 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.



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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