

ULTRABOND ECO FIX

Adhesive and fixative with high residual tack for
loose-lay floorings



www.blauer-engel.de/uz113



WHERE TO USE

- Non-permanent fixing of loose-lay carpet tiles.
- Non-permanent fixing of loose-lay resilient floors.

Some application examples

Ultrabond Eco Fix is used as an antislip fixing for:

- loose-lay carpet tiles;
- loose-lay PVC tiles with PVC latex mousse backing

ON

- all normal absorbent and non-absorbent substrates used in building sector as long as they are moisture-stable smooth and flat (screeds, levelling compounds, concrete, dry screeds etc.);
- existing floors of every type: wood, PVC, rubber, linoleum, ceramic, marble, etc;
- access panels and raised floors of every type;
- underfloor heating systems.

TECHNICAL CHARACTERISTICS

Ultrabond Eco Fix is an adhesive based on acrylic resins in water dispersion, formulated as light cream coloured paste, easy to apply by roller or trowel.

When dry, the **Ultrabond Eco Fix** film has a residual tack that enables to remove and replace the loose-lay flooring easily.

Warning: if installing flooring 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 traffic and for exposure to castor wheels in compliance with EN 12529.

Ultrabond Eco Fix is not flammable with very low emissions of volatile organic compounds (EMICODE EC1 Plus). 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 substrates with possible rising damp.
- On very absorbent substrates, first apply a coat of a suitable primer (for instance **Primer G**, **Eco Prim T Plus**, etc.) before applying **Ultrabond Eco Fix**.

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be dry, 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.

The moisture content must comply with the local regulations.

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

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 (in case of absorbent panels, the application of a suitable primer is recommended).

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 and R.H.

Spreading the adhesive

Ultrabond Eco Fix is applied with a notched trowel on the substrate where the loose-lay tiles are intended 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 or TKB A1, A4.

For the installation of carpet tiles on 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.

The dilution with water is recommended in case of not compact backings such as bitumen or fleece.

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.

The flooring has to be installed once the white coloured film of **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, 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 (roller or trowel).

Consumption: 80-150 g/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 12 months in its original sealed packaging. Avoid prolonged exposure to frost.

SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

Keep out of reach of children. Ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. In case of contact with eyes or skin rinse immediately with plenty of water. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Clean tools with soap and water immediately after use. Only properly emptied containers may be recycled. Dried product residues can be disposed of as normal household waste. Product contains BIT and CIT/MIT (3:1).

For information for allergic people, please call at +39/02/37 67 3.1.

The product contains:

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

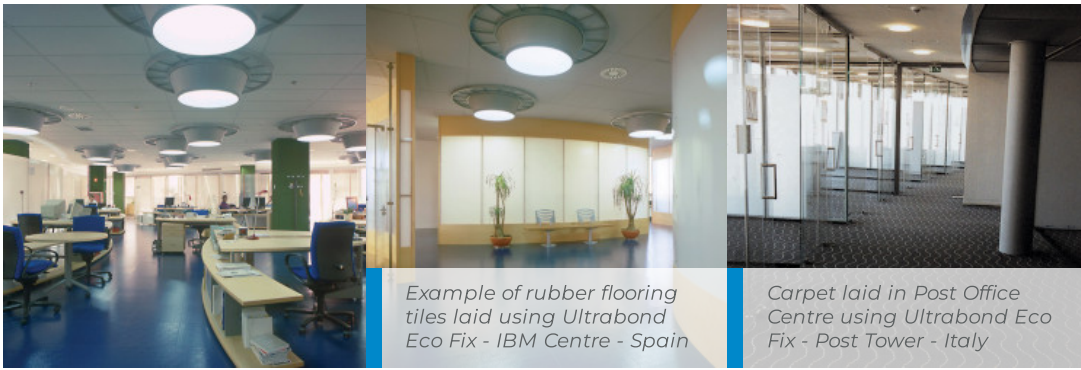
| | |
|--------------------------------|---|
| Consistency: | creamy paste |
| Colour: | light beige |
| Density: | 1.07 g/cm ³ |
| pH: | 8.5 |
| Brookfield viscosity: | 40,000 mPa·s (6 rotors - 20 rpm) |
| Dry solids content: | 71% |
| - EMI CODE: - Blauer Engel: | EC1 Plus - very low emission DE-UZ 113 |

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 12 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

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



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

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.

214-6-2019-II-en

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