

# ULTRABOND ECO 520

Strong initial bond linoleum adhesive



## WHERE TO USE

Very tough, thread drawing water based adhesive, for linoleum in sheets and panels up to 4 mm thick as well as for cork-linoleum and corkment underlay.

For internal use only and for bonding onto absorbent substrates (also with warm water underfloor heating).

Suitable for:

- normal and high stresses in residential, commercial and industrial sectors (e.g. in hospitals, shopping centers, airports, etc.);
- underfloor heating systems;
- stresses from chair castors according to EN 12529;
- installing resilient wall coatings.

## TECHNICAL CHARACTERISTICS

**Ultrabond Eco 520** is a solvent free synthetic polymer based single-coat adhesive in water dispersion, easy to trowel, formulated in a ready-to-use light beige paste.

Product properties:

- very easy to apply;
- high wet grab;
- fast leg development;
- suitable for castor wheels in accordance with EN 12529;
- non-flammable;
- EMICODE EC1 Plus (very low emission).

## RECOMMENDATIONS

- Install at normally prescribed temperatures (between +15°C and +35°C).
- Do not use on damp substrates or substrates subject to possible rising damp.

## APPLICATION PROCEDURE

### Preparing the substrate

Substrates must be dry, absorbent, flat, sound, mechanically strong without cracks, free of dust, loose particles, paint, wax, oil, rust, gypsum residues and other materials which could interfere with bonding.

The moisture content must be the one foreseen by the regulations of each country.

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

Unbonded screeds over light-weight concrete or over an insulation layer or screeds laid directly onto earth must be provided with a vapour barrier to prevent rising damp.

To repair cracks in the substrate, consolidate screeds, form fast-drying screeds and level uneven substrates, it is recommended to refer to the section in the MAPEI catalogue concerning the preparation of substrates or contact the Technical Services Department.

## Spreading the adhesive

Apply the **Ultrabond Eco 520** evenly on the substrate with a notched trowel. Select a trowel size that enables the adhesive to cover the back of the floor covering completely. Only apply as much adhesive over an area that can be applied with floor covering within 15-20 minutes.

## Installing the flooring

Follow the flooring manufacturer's installation instructions. Make sure the flooring and the substrate are acclimatised to the recommended temperature before installing.

Furthermore, observe the generally accepted rules of the trade and the technology for the laying of floor coverings of the relevant applicable national standards (e.g. ISO, EN, DIN, BS, OE, SIS, UNI, ecc.).

The drying time of **Ultrabond Eco 520** varies with the absorbency of the substrate and environmental conditions (temperature and humidity), from 10 to 20 minutes.

The installation must be carried out within the open time of **Ultrabond Eco 520** (20-30 minutes), i.e. ensuring the adhesive is transferred onto the back of the flooring.

Press the surface of the flooring with a wooden trowel or a roller immediately after laying, moving from the centre out to the edges in order to ensure complete transfer of the adhesive and eliminate air bubbles.

Repeat the procedure if needed after some minutes.



Applying Ultrabond Eco 520



Installing linoleum sheets with natural jute back



Rolling linoleum flooring

## CLEANING

Whilst still wet, traces of **Ultrabond Eco 520** can be removed with water. When dry, use alcohol or **Pulicol 2000**.

## CONSUMPTION

Consumption varies with the uniformity of the substrate, the back of the flooring and the trowel used, from 0.30 to 0.45 kg/m<sup>2</sup> (TKB B1, B2 or MAPEI nr. 2).

## PACKAGING

**Ultrabond Eco 520** is available in 16 kg drums.

## STORAGE

Under normal conditions **Ultrabond Eco 520** is stable for at least 12 months in its original sealed packaging. Avoid prolonged exposure to frost.

## SAFETY INSTRUCTIONS FOR 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](http://www.mapei.com).

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

|  |                              |
|--|------------------------------|
| PRODUCT IDENTITY                                   |                              |
| Consistency:                                       | creamy paste                 |
| Colour:  | light beige                  |
| Density (g/cm <sup>3</sup> ):                      | 1.30                         |
| pH:  | 8                            |
| EMICODE:   | EC1 Plus - very low emission |
| APPLICATION DATA (at +23°C - 50% R.H.)             |                              |
| Application temperature range:                     | from +15°C to +35°C          |
| Waiting time:                                      | 10-20 min.                   |
| Open time:   | 20-30 minutes                |
| Set to light foot traffic:                         | 3-5 hours                    |
| Ready for use:                                     | 24-48 hours                  |
| FINAL PERFORMANCE DATA                             |                              |
| Peel bonding at 90° to EN 1372 (N/mm): – linoleum: | in compliance with EN 14259  |

## 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)

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268-7-2021-gb

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