ULTRABOND 520

Adhesive with high initial tack for linoleum floors and resilient wall coverings





BENEFITS AND FEATURES

- 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)

WHERE TO USE

Very though, 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 in case of underfloor heating systems).

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

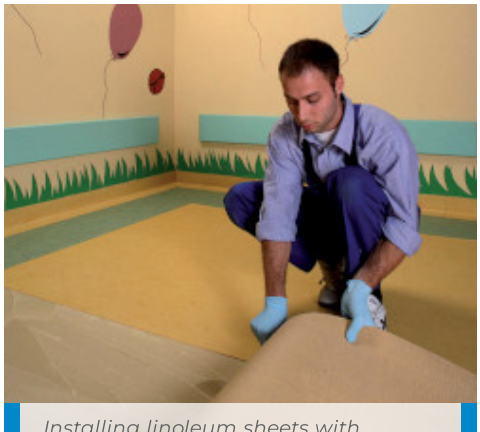
The installation must be carried out within the open time of **Ultrabond 520** (20-30 minutes), i.e. ensuring the adhesive is transferred onto the back of the flooring.

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 520



Installing linoleum sheets with natural jute back



Rolling linoleum flooring

CLEANING

Whilst still wet, traces of **Ultrabond 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/m² (TKB B1, B2 or MAPEI nr. 2).

PACKAGING

Ultrabond 520 is available in 16 kg drums.

STORAGE

Under normal conditions **Ultrabond 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.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	light beige
Density:	1.30 g/cm³
pH:	8
EMICODE:	EC1 Plus - very low emissions

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 ISO 22631 (N/mm): – linoleum:	in compliance with ISO 22636

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.

Mapei S.p.A.

Via Cafiero, 22, 20158, Milano

+39-02-376731 www.mapei.com mapei@mapei.it

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