ULTRABOND 333

Solvent-free, dispersion adhesive for vinyl and textile floor coverings



WHERE TO USE

Dispersion adhesive for PVC/CV and all common textile floor coverings.
For use on floors and walls in interior applications.
Suitable on:
· prepared, absorbent surfaces;
· underfloor heating systems.
It can be used for:
· static and dynamic loads, in residential and commercial environments;
· stresses from chair castors according to EN 12529.

Some application examples

Use **Ultrabond 333** for bonding:
· homogeneous and heterogeneous PVC floor coverings in sheets;
· CV and multilayer PVC floor coverings.
Suitable also for bonding:
· semi-flexible vinyl floor tiles (VCT);
· textile floor coverings with latex-primed, PVC and polyurethane foam backings;
· flocked textile flooring;
· vinyl wall coverings.

TECHNICAL CHARACTERISTICS

Ultrabond 333 is a solvent-free, acrylic adhesive in water dispersion, formulated in a ready to use light beige paste.
Product properties:
· very easy to apply;
· fast initial bonding;
· long open time;
· excellent wetting even with impervious coverings;
· exposure to castor wheels in accordance with EN 12529;
· solvent-free;
· not inflammable.

RECOMMENDATIONS

· Install with recommended temperatures, normally between +15°C and +35°C.
· Do not install on substrates not protected from rising dump.
· Use **Adesilex G19** or **Adesilex G20** in the event of extreme temperatures due to solar radiation, intense mechanical stress by lift truck, forklift, etc. or moisture from above (in particular when the floor coverings are not welded or sealed).
· For vinyl floor coverings with poor dimensional stability, use a specific adhesive with the capacity to withstand movements caused by temperature variations, such as **Ultrabond Eco VS90 Plus** or **Ultrabond Eco 4 LVT**.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be dry, absorbent, level, sound, mechanically strong, free of dust, loose particles, cracks, paints, wax, oil, rust, traces of gypsum or other products that can interfere with bonding.
On non-absorbent substrates, apply a smoothing compound to a minimum thickness of 2 mm.
Commonly, the moisture content must be max 2%-2.5% for cementitious substrates (max. 0.5% for gypsum or anhydrite-based substrates).
Anyway, the regulations of each country must be strictly followed.
It is essential to make sure there is no rising damp present. Un-bonded screeds laid over light-weight concrete or over insulation and screeds laid directly onto earth must be separated by a vapour barrier to prevent rising damp.
To repair cracks in the substrate, consolidate and waterproof screeds, form new fast-drying screeds and level uneven substrates, please refer to the relevant Technical Documentation or contact the Technical Services Department.

Acclimatisation

Before starting the installation, make sure that the floor or wall covering and the substrate are acclimatized to the recommended temperatures and R.H.

Spreading the adhesive

Ultrabond 333 is ready to use and does not need any preparation. Before using, stir the adhesive in the bucket. Apply the adhesive evenly to the substrate with a suitable notched trowel.
When installing thin wall coverings, a long nap roller may be used alternatively (ensure the wetting of the backing material).

Installing the flooring

Follow the manufacturer's instructions.
Leave a suitable waiting time (10-20 minutes) according to the application quantity, climatic conditions, substrate absorbency and type of covering. Only apply as much adhesive as can be covered within the open time (30-40 minutes) and with good transfer to the backing of the covering. Lay in covering with short waiting time into the still wet adhesive bed: the adhesive ridges have to be impressed.
Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing.
After some minutes installing the floor covering, it is always necessary to carefully roll it down again or to firmly rub it down.
Note: *waiting and open time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with low-absorbent substrates.*

CLEANING

While still wet, **Ultrabond 333** can be cleaned from floor coverings, tools, hands and clothings with water. When dry, clean with alcohol or a suitable solvent.

CONSUMPTION

Consumption varies with uniformity of substrate, the back of the flooring and type of trowel used.
MAPEI trowel no.1 approx. 300-350 g/m²
MAPEI trowel no.2 approx. 400-450 g/m²
Roller approx. 200 g/m²
Notch A1/A2 approx. 250-350 g/m²
Notch B1 approx. 350-400 g/m²

PACKAGING

Ultrabond 333 is available in 25 kg and 16 kg drums.

STORAGE

Under normal conditions, **Ultrabond 333** is stable for at least 12 months in its original sealed packaging.
Avoid prolonged exposure to frost

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultrabond 333 is not considered as dangerous according to the current regulation regarding the classification of mixtures.
We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemicals.
For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	pale beige
Density (g/cm³):	1.40
pH:	8.0
APPLICATION DATA (a +23°C - 50% U.R.)	
Application temperature range:	da +15°C a +35°C
Waiting time:	10-20 minutes
Open time:	30-40 minutes
Set to light foot traffic:	after 3-5 hours
Ready for use:	48-72 hours
FINAL PERFORMANCES DATA	
PEEL 90° adhesion test according to EN 1372 (N/mm): **– homogeneous PVC:** **– heterogeneous PVC:** **– carpet with foam backing:**	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

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution