

## PRODUCTS FOR THE INSTALLATION OF WOODEN FLOORS





## Parquet Line

Over the last few years, there has been an increase in demand for wooden flooring in both the commercial and residential building sectors, for products of superior quality and which are aesthetically innovative. This demand has revolutionised the techniques and laying systems which, as far as MAPEI is concerned, has led to the development of a specific range of new products, made up not only of adhesives, but also by a complete range of products which includes binders, admixes and pre-blended mortars for mixing screeds, primers consolidators and waterproofing products for the preparation of high-strength substrates and smoothing and levelling compounds. The MAPEI systems used for laying wood are solvent-free and have an extremely low content of volatile organic compounds (VOC). Safe for those who use them, and for those who live them.

Alongside the adhesive range, MAPEI also offers an extremely wide range of admixtures, pre-blended binders and mortars for screeds, primers, insulating materials, consolidators and anti-humidity barriers, as well as smoothing compounds and auxiliary products for the installation of long-lasting floors and resilient materials.



### Our commitment to the environment

MAPEI has always been committed to research and development into products which safeguard the environment, the health of those who use them and of those who use the areas where they are applied, and since 1980, they have developed a series of products which emit an extremely low level of volatile organic compounds.

Since October 2005, the products which had already been tested by internationally recognised institutions such as the German TFI (Teppich Forschung Institute) and by the CRI (Carpet and Rug Institute), bear the "EMICODE EC 1 - very low emission level of volatile organic compounds" mark, awarded by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an association which controls the emission levels of products for floors, adhesives and materials for building and of which MAPEI is now an ordinary member.



### Maximum emission levels of EMICODE EC1 products:

Residual emission after 10 days: • organic adhesives: <math>< 0.5 \text{ mg/m}^3</math> • primer: <math>< 0.1 \text{ mg/m}^3</math> • powder products: screeds/smoothing and leveling compounds, cementitious adhesives: <math>< 0.2 \text{ mg/m}^3</math>.



The **Green Innovation** symbol identifies products with certain characteristics which contribute to achieving eco-sustainable buildings:

- products with an extremely low emission level of volatile organic compounds
- products with an extremely low emission level of dust during the mixing and storage phases
- products which avoid the formation of mould when applied in damp environments
- products which help to improve environmental wellbeing, for example by improving sound-proofing against the noise created by foot-traffic
- products based on the use of raw materials from recycled materials, to reduce impact on the environment deriving from the extraction of virgin materials

For further information about these products, take a look at the technical data sheets provided in folder No. 2 and from MAPEI internet address [www.mapei.com](http://www.mapei.com).



TEATRO ALLA SCALA - Milan - Italy  
Parquet laid using ULTRABOND P902 2K  
on screeds prepared with TOPCEM and  
TOPCEM PRONTO



## Binders for screeds, smoothing compounds and additives



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# TOPCEM PRONTO, MAPECEM PRONTO AND ALL LEVELLING COMPOUNDS ARE CE MARKED AND CERTIFIED ACCORDING TO THE EUROPEAN CLASSIFICATION FOR PRE-BLENDED MORTARS FOR SCREEDS EN 13813

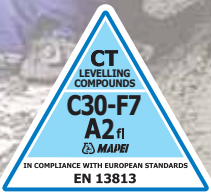
The European Standard for pre-blended mortars for screeds (EN 13813), “Screed material and floor screeds - Screed material - Properties and requirements”, has now become effective. This norm allows to classify the pre-blended mortars on the basis of the nature of the binders employed and on their physical and elasto-mechanical characteristics. This norm has been extended to levelling compounds as well. In particular, the standard symbols illustrated here below have been adopted for TOPCEM PRONTO, MAPECEM PRONTO pre-blended mortars, and the levelling compounds of MAPEI range to indicate the following:



- screeds made using TOPCEM PRONTO, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder-based), C30 (compressive strength after 28 days equal to at least 30 N/mm<sup>2</sup>), F6 (flexural strength after 28 days equal to at least 6 N/mm<sup>2</sup>), A1fl (reaction to fire class);



- screeds made using MAPECEM PRONTO, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder-based), C60 (compressive strength after 28 days equal to at least 60 N/mm<sup>2</sup>), F10 (flexural strength after 28 days equal to at least 10 N/mm<sup>2</sup>), A1fl (reaction to fire class);



- leveling compounds made using ULTRAPLAN, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder based), C30 (compressive strength after 28 days equal to at least 30 N/mm<sup>2</sup>), F7 (flexural strength after 28 days equal to at least 7 N/mm<sup>2</sup>), A2fl (reaction to fire class).





As with adhesives used for ceramic tiles, according to the European Directive 89/106 for products used in construction work, it is also obligatory to apply the CE mark on the packaging of pre-blended mortars for screeds and levelling compounds in order to favour free trade within the member states of the European Community.

The CE mark on the packaging is a guarantee for the user that the manufacturer has respected the following directives:

- the screed and levelling compound, if made according to the indications contained in the Technical Data Sheet, possesses the mechanical characteristics and belongs to the reaction to fire class indicated by the CE mark;
- the manufacturer has issued a signed Declaration of Compliance (EC Declaration) certificate, with which they assume all responsibility regarding declaration of the CE mark;
- with reference to the “Directive 89/106”, the manufacturer is obliged to carry out the same controls as indicated for the CE mark regarding adhesives for ceramic tiles.



# Selection table of Mapei products for the preparation of screeds with special binders and pre-blended mortars

| MAPEI BINDER OR PRE-BLENDED MORTAR                      |   |  |  |   |
|---|---|--|--|---|
|   |   |   |   |    |
|   | <i>Topcem</i>   | <i>Topcem Pronto</i>   | <i>Mapecem</i>   | <i>Mapecem Pronto</i>   |
| <b>PREPARATION OF THE MIXTURE</b>                       |   |  |  |   |
|   | To be mixed (1 bag) with 0-8 mm graded aggregate (140-160 kg) and water (10-12 kg)  | To be mixed (1 bag) <u>only</u> with water (1.7 litres)  | To be mixed (1 bag) with <b>Gravel 0-8 mm</b> or 0-8 mm graded aggregate (80-100 kg) and water (4-8 kg)                    | To be mixed (1 bag) <u>only</u> with water (2.1-2.3 litres)   |
| <b>TYPE OF SCREED</b>                                   |   |  |  |   |
| <b>Bonded</b>   |   |  |  |   |
| Preparation of the substrate                            | Application of slurry bond coat:<br><b>Planicrete:</b> H <sub>2</sub> O:<br><b>Topcem</b> = 1 : 1 : 3<br>or with <b>Eporip</b>  | Application of slurry bond coat:<br><b>Planicrete:</b> H <sub>2</sub> O:<br><b>Topcem Pronto</b> = 1 : 1 : 12<br>or with <b>Eporip</b> | Application of slurry bond coat:<br><b>Planicrete:</b> H <sub>2</sub> O:<br><b>Mapecem</b> 1 : 1 : 2 or with <b>Eporip</b> | Application of slurry bond coat:<br><b>Planicrete:</b> H <sub>2</sub> O:<br><b>Mapecem Pronto</b> 1 : 1 : 8 or with <b>Eporip</b> |
| Thickness of the screed                                 | up to 3.5 cm  | up to 3.5 cm   | up to 3.5 cm   | up to 3.5 cm  |
| <b>Un-bonded</b>  |   |  |  |   |
| Preparation of the substrate                            | Laying of a polyethylene sheet overlapped at least 20 cm on joints, sealed with adhesive tape and rounded along the perimeter.<br>Application along the perimeter and around columns (if any) of compressible material, such as foamed polyester, in thicknesses not lower than 5 mm. |  |  |   |
| Thickness of the screed                                 | From 3.5 to 8 cm (for thicknesses higher than 8 cm, pour a light-weight cementitious mixture over which the polyethylene sheet will be placed. Make the screed at least 3.5 cm thick).  |  |  |   |
| <b>Floating</b>   |   |  |  |   |
| Minimum thickness of the screed                         | At least 4 cm, reinforced with a mesh. The thickness of the screed varies depending on insulating layer compressibility. For more details refer to the MAPEI Technical Service and/or consult the "Installation of Screeds for Laying Floors" Technical Notebook.                     |  |  |   |
| <b>Heating</b>  |   |  |  |   |
| Addition of additive to the mixture                     | no  | no   | no   | no  |
| Waiting time for the startup cycle                      | 4 d   | 4 d  | 1 d  | 1 d   |
| Startup cycle   | Switch on the heating on minimum temperature. Increase the temperature 5°C every day until reaching the temperature when in service. Keep the temperature on the maximum for some days. Decrease the temperature 5°C every day until the screed reaches 15°-18°C.                     |  |  |   |
| <b>PERFORMANCES</b>                                     |   |  |  |   |
| Waiting time before installing wood and resilients      | 4 d   | 4 d  | 1 d  | 1 d   |
| Compressive strength after 28 days (N/mm <sup>2</sup> ) | ≥ 30  | ≥ 30   | ≥ 45   | ≥ 60  |

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT

# Soundproofing systems for flooring

New

New

## Mapesilent Panel



**Soundproofing system for floating screeds. Each Mapesilent Panel is composed of a bitumen and special polymer-based elasto-plastomeric membrane with a polyester reinforcement layer, sandwiched together with a resilient layer of polyester fibre.**

### Where to use:

Mapesilent Panel is used to form an efficient soundproofing system on all types of floor slab according to DPCM 5.12.97. Mapesilent Panel is applied between the structure and the floating screed prior to laying all types of flooring materials.

### Technical data:

#### Tensile strength:

– longitudinal: 700 N/50 mm;  
– transvers: 500 N/50 mm.

**Resistance to impact:** 900 mm.

**Resistance to static perforation:** 15 kg.

**Impermeability to water:** > 100 kPa.

**Fire resistance:** F.

**Apparent dynamic rigidity (S't):** 11 MN/m<sup>3</sup>.

**Dynamic rigidity for calculation purposes (S''): 22 MN/m<sup>3</sup>.**

**Reduction of noise caused by footsteps (ΔL<sub>nw</sub>): 27.7 dB.**

**Thermal resistance (R): 0.13 m<sup>2</sup> K/W.**

**Thickness:** 13 mm.

**Format:** 1000 mm x 1000 mm tiles.

**Weight:** 5 kg/m<sup>2</sup>.

### Packaging

pallets containing 75 m<sup>2</sup>.

## Mapesilent Roll



**Soundproofing system for floating screeds consisting of a bitumen and special polymer-based elasto-plastomeric membrane with a polyester reinforcement layer, sandwiched together with a resilient layer of polyester fibre and a surface dressed with a layer of blue non-woven polypropylene fabric.**

### Technical data:

#### Tensile strength:

– longitudinal: 700 N/50 mm;  
– transvers: 500 N/50 mm.

**Impact resistance:** 900 mm.

**Resistance to static perforation:** 15 kg.

**Impermeability to water:** > 100 kPa.

**Fire resistance:** F.

**Apparent dynamic rigidity (S't):** 15 MN/m<sup>3</sup>.

**Dynamic rigidity for calculation purposes (S''): 47 MN/m<sup>3</sup>.**

**Reduction of noise caused by footsteps (ΔL<sub>nw</sub>): 22.8 dB.**

**Thermal resistance (R): 0.145 m<sup>2</sup> K/W.**

**Thickness:** 8 mm.

**Format:** 1 x 10 m rolls.

**Weight:** 1.8 kg/m<sup>2</sup>.

### Packaging

10 m x 1 m-wide rolls.







### Mapesilent Band



**L-shaped adhesive, closed-cell, expanded polyethylene membrane applied to perimeter walls around the edges of interruptions which pass through screeds to prevent the formation of acoustic bridges.**

**Where to use:**  
Mapesilent Band is applied to all the walls around the perimeter of the screed, to form a soundproofing system with Mapesilent Roll or Mapesilent Panel, and around all the edges of interruptions which pass through the screed to avoid the formation of acoustic bridges.

**Technical data:**  
**Thickness:** 6 mm.  
**Width of base:** 50 mm.  
**Height:** 100 mm.  
**Length:** 2 m.

**Packaging**  
cardboard boxes containing 110 or 200 pieces 100 mm high and 200 cm wide.



### Mapesilent Door



**U-shaped adhesive, closed-cell, expanded polyethylene membrane applied in correspondence with openings in perimeter walls to avoid the formation of acoustic bridges.**

**Where to use:**  
Mapesilent Door is applied to all the openings in perimeter walls around the screed, to form a soundproofing system with Mapesilent Roll or Mapesilent Panel.

**Technical data:**  
**Thickness:** 6 mm.  
**Width of base:** 50 mm.  
**Pitch:** 105-110 mm.  
**Height:** 100 mm.  
**Length:** 2 m.

**Packaging**  
cardboard boxes containing 30 50x100 mm pieces.



### Mapesilent Tape



**Adhesive butyl rubber sealant tape with a silver-coloured surface.**

**Where to use:**  
Mapesilent Tape is used for sealing the overlapping of different pieces of Mapesilent Band, covering and joining the overlapping between Mapesilent Band and Mapesilent Roll and sealing the joints between Mapesilent Panel tiles and Mapesilent Roll sheets.

**Technical data:**  
**Thickness:** 0.6 mm.  
**Width:** 75 mm.  
**Length:** 10 metres.

**Packaging**  
10 m rolls.

# Preparation of screeds



## Mapefluid N200



**Superfluidificante per calcestruzzi.**

**Campi di applicazione:**

**Mapefluid N200** può essere utilizzato per confezionare massetti a consistenza di "terra umida" riducendo il rapporto a/c e conseguentemente i tempi di asciugamento.

**Mapefluid N200** è un additivo liquido di colore bruno a base di polimeri in soluzione acquosa, capaci di disperdere i granuli di cemento. Per l'impiego aggiungere **Mapefluid N200** direttamente nell'impasto, dopo aver aggiunto tutti i componenti (cemento, aggregati, acqua).

**Mapefluid N200** può anche essere diluito preliminarmente nell'acqua d'impasto, ma in questo caso l'effetto superfluidificante risulta essere inferiore.

**Consumo**

0,5-1,5 kg per ogni 100 kg di cemento (0,4-1,3 l).

**Confezioni**

taniche da 25 e 10 kg - fusti da 200 l - cisterne da 1000 l.

Su richiesta, è disponibile la fornitura del prodotto sfuso.



## Mapefluid PZ500



**Additivo superfluidificante ad attività pozzolanica per calcestruzzi e malte di alta qualità, resistenti all'aggressione chimica.**

**Campi di applicazione:**

**Mapefluid PZ500** può essere utilizzato per confezionare massetti a consistenza di "terra umida" riducendo il rapporto a/c e conseguentemente i tempi di asciugamento.

**Mapefluid PZ500** determina il miglioramento di tutte le proprietà del calcestruzzo ed in particolare conferisce maggiori resistenze meccaniche, impermeabilità e durabilità.

Per la preparazione dell'impasto aggiungere **Mapefluid PZ500** alla miscela secca aggregati-cemento, mescolare fino a completa omogeneità e successivamente impastare con acqua. L'impasto con **Mapefluid PZ500** si getta e si lavora come una normale malta.

**Consumo**

20-60 kg per metro cubo di impasto.

**Confezioni**

sacchi da 11 kg.

Su richiesta, è disponibile la fornitura del prodotto in sacconi.





For more information on Mapei visit [www.barbourproductsearch.info](http://www.barbourproductsearch.info)

**BINDERS FOR SCREEDS, SMOOTHING  
COMPOUNDS AND ADDITIVES**







## Mapecem



**Special hydraulic binder for the preparation of rapid setting and drying (24 hours) screeds with controlled shrinkage.**

### Where to use:

Formation of floating and bonded screeds on both existing and new slabs for the installation of floors that are moisture sensitive (wood, PVC, linoleum, carpeting, rubber) or any other type of flooring where rapid drying and immediate laying is required.

**Mapecem** must always be mixed with aggregates. Bonded screeds (less than 3.5 cm thick) and patching require the application of a **Mapecem** and **Planicrete** anchoring slurry. For floating screeds (at least 3.5 cm thick) lay a polyethylene sheet beforehand; for thicknesses of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

### Technical data:

**Recommended mixture ratio:** 350 to 450 kg of **Mapecem** with 1 m<sup>3</sup> of aggregate or **Gravel 0/8 mm** and with 80-160 kg of water depending on the aggregate moisture.

**Open time of the mixture at +23°C:** 20-30 minutes.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 2-3 hours.

**Waiting time before installation:** 24 hours for resilients and wood.

**Residual moisture after 24 h.:** less than 2%.

**Storage:** 12 months.

### Consumption

3.5-4.5 kg/m<sup>2</sup> per cm of thickness.

### Packaging

20 kg bags.



## Mapecem Pronto



**Ready-to-use pre-blended mortar for fast-setting and drying (24 hours) screeds with controlled shrinkage.**

### Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of wood, PVC, linoleum, carpeting, rubber or any other type of flooring where fast drying or immediate laying is required.

**Mapecem Pronto** is ready-to-use and must be mixed just with water.

**Mapecem Pronto** is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of a **Mapecem Pronto** and **Planicrete** anchoring slurry. Floating screeds (thicknesses above 3.5 cm) must be laid over a polyethylene sheet.

### Technical data:

**Mixing ratio:** one 25 kg bag of **Mapecem Pronto** with 2.1-2.3 litres of water.

**Open time of the mixture:** 20-30 minutes.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 2-3 hours.

**Waiting time before installation:** 24 hours for resilients and wood.

**Residual moisture after 24 h.:** less than 2%.

**Storage:** 12 months.

### Consumption

20-25 kg/m<sup>2</sup> per cm of thickness.

### Packaging

25 kg bags.



## Topcem



**Special hydraulic binder for the preparation of normal setting and fast drying (4 days) screeds with controlled shrinkage.**

### Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of wood, PVC, linoleum, rubber, carpeting or any other flooring where fast drying and laying is required. Bonded screeds (less than 3.5 cm thick) and patching require the application of a **Topcem** and **Planicrete** anchoring slurry. For floating screeds (at least 3.5 cm thick) lay a polyethylene sheet beforehand; for thicknesses of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

### Technical data:

**Recommended mixture ratio:** 200 to 250 kg of **Topcem** with 1 m<sup>3</sup> of aggregate (diameter from 0 to 8 mm) and with 120-140 kg of water for dry aggregate.

### Open time of the mixture:

40 to 60 minutes.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 12 hours.

**Waiting time before installation:**

4 days for resilient and wood.

**Residual moisture after 4 days:** less than 2%.

**Storage:** 12 months.

### Consumption

2-2.5 kg/m<sup>2</sup> per cm of thickness.

### Packaging

20 kg bags.



## Topcem Pronto



**Ready-to-use pre-blended mortar for fast-drying (4 days) normal setting screeds with controlled shrinkage and with very low emission of volatile organic compounds (VOC).**

### Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of floors that are moisture sensitive (wood, PVC, linoleum, carpeting, rubber etc.) or any other type of flooring where fast drying and laying is required. **Topcem Pronto** is ready-to-use and must be mixed just with water.

**Topcem Pronto** is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of a **Topcem Pronto** and **Planicrete** anchoring slurry. Floating screeds (thicknesses above 3.5 cm) must be laid over a polyethylene sheet.

### Technical data:

**Mixing ratio:** one 25 kg bag of **Topcem Pronto** with 1.7 l of water.

**Open time of the mixture:** 40-60'.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 12 hours.

**Waiting time before installation:**

4 days for resilient and wood.

**Residual moisture after 4 days:** less than 2%.

**EMICODE classification:** EC1 R - very low emission.

**Storage:** 12 months.

### Consumption

18-20 kg/m<sup>2</sup> per cm of thickness in relation to the degree of compaction.

### Packaging

25 kg bags.



## Planicrete



**Synthetic rubber latex for improving adhesion and mechanical strength of cementitious mortars.**

### Where to use:

- Additive for cementitious smoothing compounds. Additive for improving the mechanical and adhesive strength of cementitious mixes for screeds, renders, thin levelling mortars, etc.
- Additive for the preparation of cement based slurries to form bonded screeds, for filling depressions and repairing parts of screeds, cementitious floors etc.
- Additive for spatterdash to provide adhesion key for renders.

Do not use pure **Planicrete** as a primer or slurry, always mix it with Portland cement, or, when required, with **Mapecem** or **Topcem**.

### Technical data:

**Consistency:** liquid.

**Colour:** greenish white.

**Flammability:** no.

**Application temperature range:**

from +5°C to +40°C.

**Storage:** 12 months.

### Consumption

depending on dilution and thickness of the mortar.






### Packaging

25 - 10 - 5 - 1 kg drums.





# Selection table of Mapei products for smoothing compounds

| Substrates  | SMOOTHING COMPOUNDS  |  |   |                  |  |   |
|---|--|--|---|------------------|--|---|
|   |  <i>Ultraplan</i> |  <i>Ultraplan Eco</i> |  <i>Ultraplan Maxi</i> | <i>Fiberplan</i> |  <i>Nivorapid</i> |  <i>Nivorapid + Latex Plus</i> |
| Cementitious screeds                                    | ■  | ■  | ■   | ■                | ●  |   |
| MAPECEM, MAPECEM PRONTO, TOPCEM, TOPCEM PRONTO* screeds | ■  | ■  | ■   | ■                | ●  |   |
| Concrete structures                                     | ■  | ■  | ■   | ■                | ●  |   |
| Anhydrite screeds                                       | ▲  | ▲  | ▲   | ▲                | ▲  |   |
| Heating screeds   | ■  | ■  | ■   | ■                | ■  |   |
| Metal and wood surfaces                                 |  |  |   | +                |  | ◆   |
| Terrazzo, ceramic                                       | *  | *  | *   | *                | ●  |   |

## KEY



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 Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



● MAPEI recommended

**N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT**

- Recommended by MAPEI
- Recommended by MAPEI. A first coat of **Primer G** (according to the instructions on the technical data sheet) diluted 1 : 1 with water is recommended
- ▲ For use only when a coat of **Primer G** or **Eco Prim T** is applied beforehand
- +
- ◆ Only for the preparation of substrates before installing wooden floating flooring
- \* Recommended by MAPEI. A first coat of **Eco Prim T** or **Mapeprim SP** is recommended

For more information on Mapei visit [www.barbourproductsearch.info](http://www.barbourproductsearch.info)

**SELECTION TABLE OF MAPEI PRODUCTS  
FOR SMOOTHING COMPOUNDS**



# Self-levelling smoothing compounds

## Ultraplan



**Ultra-fast hardening (12 hours) self-levelling smoothing compound for thicknesses from 1 to 10 mm and with very low emission of volatile organic compounds (VOC).**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where a high resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

**Ultraplan** is applied up to 10 mm thick per coat. **The minimum thickness of Ultraplan must be 3 mm when a wooden floor is going to be installed.**

### Technical data:

**Consistency:** fine powder.

**Colour:** pinkish-grey.

**Pot life:** 20-30 minutes.

**Setting time:** 45-60 minutes.

**Set to light foot traffic:** 3 hours.

**Waiting time before installation:** 12 hours.

**Application temperature range:** from +5°C to +30°C.

**Mixing ratio:** 25-26 parts water for 100 parts by weight of **Ultraplan**.

**Storage:** 12 months.

**EMICODE:** EC1 - very low emission.

**Application:** with a flat trowel and a pump.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

23 kg bags.





## Ultraplan Eco



**Ultra-fast hardening (12 hours) self-levelling smoothing compound for thicknesses from 1 to 10 mm, with very low emission of volatile organic compounds (VOC).**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where a high resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

**Ultraplan Eco** is applied with a trowel or with a pump up to 10 mm thick per coat. **The minimum thickness of Ultraplan Eco must be 3 mm when a wooden floor is going to be installed.**

### Technical data:

**Consistency:** fine powder.  
**Colour:** pinkish-grey.  
**Pot life:** 20-30 minutes.  
**Setting time:** 45-60 minutes.  
**Set to light foot traffic:** 3 hours.  
**Waiting time before installation:** 12 hours.  
**Application temperature range:** from +5°C to +30°C.  
**Mixing ratio:** 24-25 parts water for 100 parts by weight of **Ultraplan Eco**.  
**EMICODE:** EC1 - very low emission.  
**Storage:** 12 months.  
**Application:** with a flat trowel and a pump.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

23 kg bags.



## Ultraplan Maxi



**Ultra-fast hardening self-levelling smoothing compound for thicknesses from 3 to 30 mm and with very low emission of volatile organic compounds (VOC).**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where high mechanical strength is required.
- Levelling existing flooring as long as they are solid, dry and clean.

**Ultraplan Maxi** is applied from 3 to 30 mm per coat.

### Technical data:

**Consistency:** fine powder.  
**Colour:** grey.  
**Pot life:** 30-40 minutes.  
**Setting time:** 60-90 minutes.  
**Set to light foot traffic:** approx. 3 hours.  
**Waiting time before installation:** 24-72 hours, depending on thickness and temperature.  
**Application temperature range:** from +5°C to +30°C.  
**Mixing ratio:** 18-19 parts water for 100 parts by weight of **Ultraplan Maxi**.  
**EMICODE:** EC1 - very low emission.  
**Storage:** 12 months.  
**Application:** with a flat trowel and a pump.

### Consumption

1.7 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



## Fiberplan



**Fibre-reinforced ultra-fast hardening (12-24 hours) self-levelling smoothing compound for thicknesses from 3 to 10 mm.**

### Where to use:

Interior smoothing of existing and new wooden flooring, wooden boarding, chip-board panels, ply-wood, that are sufficiently anchored and where a good resistance to loads and traffic is required. Levelling cement, terrazzo, existing ceramic tile and natural stone substrates.

### Technical data:

**Consistency:** fine powder.  
**Colour:** pinkish-grey.  
**Pot life:** 20-30 minutes.  
**Setting time:** 45-60 minutes.  
**Set to light foot traffic:** 3 hours.  
**Waiting time before installation:** 12-24 hours.  
**Application temperature range:** from +5°C to +30°C.  
**Mixing ratio:** 24-26 parts water for 100 parts by weight of **Fiberplan**.  
**Storage:** 12 months.  
**Application:** flat trowel.

### Consumption

1.5 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



# Thixotropic smoothing compounds



## Nivorapid



**Ultra-fast setting thixotropic cementitious levelling mortar for horizontal or vertical surfaces for thicknesses from 1 to 20 mm and with very low emission of volatile organic compounds (VOC).**

### Where to use:

Interior smoothing of all substrates normally used in the building industry as long as they are not subject to moisture and are clean, such as:

- concrete slabs and walls, masonry, renders and cementitious screeds, etc.;
- also suitable for existing floor and wall ceramic tile, natural stone and terrazzo coverings;
- suitable for repairing or levelling steps, edges of pillars, depressions and holes in flooring, walls and ceilings. Especially recommended when the substrates need to be covered within a short time.

It is applied from 1 to 20 mm per coat. For installing wooden floorings the minimum thickness required is at least 3 mm.

### Technical data:

**Consistency:** fine powder.

**Colour:** grey.

**Pot life:** 15 minutes.

**Setting time:** 15-25 minutes.

**Set to light foot traffic:** approximately 2 hours.

**Waiting time before installation:**

24 hours.

**Application temperature range:**

from +5°C to +35°C.

**Mixing ratio:** 21-23 parts in weight of water for 100 parts of Nivorapid.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** flat trowel.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.





## Latex Plus



**Admixture to be mixed with Nivorapid and Planipatch to improve the deformability and adhesion onto difficult surfaces.**

**Where to use:**

**Latex Plus** mixed with **Nivorapid** or **Planipatch** produces a cementitious levelling compound with such flexibility and high bonding strength to be used in interiors for levelling highly deformable surfaces such as:

- PVC, ceramic tiles, rubber linoleum, strong non-woven;
- properly fixed wood plank flooring, chipboard, plywood;
- metal substrates.

Levelling compounds prepared with **Nivorapid** and **Planipatch** mixed with **Latex Plus** and applied in thicknesses from 3 to 20 mm and from 0 to 10 mm are suitable to receive every type of resilient or textile flooring.

**Technical data:**

**Consistency:** liquid.

**Colour:** white.

**Flammability:** no

**Pot life:** 20 minutes

**Setting time:** 30 minutes.

**Set to light foot traffic:** after 2 hours.

**Application temperature range:** from +5°C to +30°C.

**Waiting time before bonding:** 12-24 hours.

**Mixing ratio:** 8-8.5 kg of **Latex Plus** per 25 kg bag of **Nivorapid**.

**Application:** flat trowel.

**Consumption**

0.6 kg/m<sup>2</sup> per mm of thickness.


**Packaging**

10 kg drums.





# Selection table of Mapei products for the preparation of substrates

| Substrates  | Repairing cracks with <i>Eporip</i> or <i>Eporip Turbo</i> | PRIMER               |                     |                        |                        |                      |                |                        |                      |   |
|---|--|----------------------|---------------------|------------------------|------------------------|----------------------|----------------|------------------------|----------------------|---|
|   |  | <i>Primer KL</i> (1) | <i>Primer M</i> (2) | <i>Primer 3296</i> (3) | <i>Livigum</i> (3) (7) | <i>Primer PA</i> (4) | <i>Prostas</i> | <i>Primer PU60</i> (5) | <i>Primer EP</i> (5) | <i>Eco Prim PU 1K</i> (5)  |
| <b>FLOORS</b>   |  |                      |                     |                        |                        |                      |                |                        |                      |   |
| <b>New</b>  |  |                      |                     |                        |                        |                      |                |                        |                      |   |
| Cementitious screeds                                    | ●  |                      |                     | ●                      | ●                      | ●                    | ●              | ●                      | ●                    | ●   |
| MAPECEM, MAPECEM PRONTO, TOPCEM, TOPCEM PRONTO* screeds | ●  |                      |                     | ●                      | ●                      | ●                    |                | ●                      | ●                    | ●   |
| Concrete floors   | ●  |                      |                     | ●                      | ●                      |                      | ●              | ●                      | ●                    | ●   |
| Anhydrite screeds                                       | ●  |                      |                     |                        |                        | ●                    |                | ●                      | ●                    | ●   |
| Heating screeds   | ●  |                      |                     | ●                      | ●                      | ●                    | ●              |                        | ●                    | ●   |
| Metal surfaces  |  | ●                    | ●                   |                        |                        |                      |                |                        |                      |   |
| <b>Existing</b>   |  |                      |                     |                        |                        |                      |                |                        |                      |   |
| Ceramic tiles, gres                                     |  | ●                    |                     |                        |                        |                      |                |                        |                      |   |
| Terrazzo, Palladiana                                    |  | ●                    |                     |                        |                        |                      |                |                        |                      |   |
| Natural stone   |  | ●                    |                     |                        |                        |                      |                |                        |                      |   |
| Concrete floors and screeds                             | ●  |                      |                     | ●                      | ●                      | ●                    |                | ●                      | ●                    | ●   |

**KEY**



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● MAPEI recommended primers

**N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT**

- \* **Mapecem, Mapecem Pronto, Topcem, Topcem** and **Pronto** screeds do not need any treatment against dust and they do not need consolidation as long as they have been prepared according to the suggestions on the relative technical data sheets.
- 1) To be used exclusively with **Lignobond, Ultrabond P902 2K** and **Ultrabond P913 2K**
- 2) To be used exclusively with **Ultrabond P990 1K, Ultrabond Eco P992 1K, Ultrabond Eco S955 1K.**
- 3) **Livigum** diluted with water 1:4 - 1:5 and **Primer 3296** diluted 1:1 - 1:2 to be applied on sound substrates that have slight surface dust before installing with vinyl adhesives (**Adesilex LC, LC/R** and **LC/RP**)
- 4) Before the installation of wood with **Adesilex PA**
- 5) For the consolidation of screeds whose surface is unsound and in the presence of residual damp above that accepted for the installation of wood before bonding wooden floors with **Lignobond, Ultrabond P902 2K, Ultrabond P913 2K, Ultrabond P990 1K, Ultrabond Eco P992 1K** and **Ultrabond Eco S955 1K** (N.B. Onto heating screed, **Primer MF, Eco Prim PU 1K** or **Eco Prim PU 1K Turbo** can be used only as a consolidating treatment).
- 6) As a waterproofer of screeds with residual damp above that accepted for the installation of wood
- 7) As adhesion promoters before applying levelling compounds

**SELECTION TABLE OF MAPEI PRODUCTS  
FOR THE PREPARATION OF SUBSTRATES**

|  | <b>Primer MF</b> <sup>(5)</sup> | <b>Triblock P</b> <sup>(6)</sup> | <b>Primer G</b> <sup>(7)</sup> | <b>Eco Prim T</b> <sup>(7)</sup> | <b>Mapeprim SP</b> <sup>(7)</sup> |
|--|---------------------------------|----------------------------------|--------------------------------|----------------------------------|-----------------------------------|
|  | ●                               | ●                                | ●                              | ●                                |                                   |
|  | ●                               | ●                                | ●                              | ●                                |                                   |
|  | ●                               | ●                                | ●                              | ●                                |                                   |
|  | ●                               | ●                                | ●                              | ●                                |                                   |
|  | ●                               | ●                                | ●                              | ●                                |                                   |
|  |                                 |                                  |                                |                                  |                                   |
|  |                                 | ●                                |                                | ●                                | ●                                 |
|  |                                 | ●                                |                                | ●                                | ●                                 |
|  |                                 | ●                                |                                | ●                                | ●                                 |
|  | ●                               | ●                                | ●                              | ●                                | ●                                 |





# Adhesion promoters



## Primer G



**Synthetic resin based primer in water dispersion with very low emission of volatile organic compounds (VOC).**

**Where to use:**

Treating gypsum or anhydrite surfaces prior to applying cementitious products. The surfaces to be treated must be clean and porous.

**Primer G** should be diluted with water from 1:1 to 1:3 to protect old porous floors, to fix the residual dust and to uniform the substrates absorption prior to levelling. Apply on perfectly dry gypsum or anhydrite surfaces (residual moisture less than 0.5%). The substrate must be dry and clean, free from oil, grease, traces of paint and any loose particles.

**Technical data:**

**Consistency:** liquid.

**Colour:** light blue.

**Flammability:** no.

**Application temperature range:** from +5°C to +40°C.

**Drying time:** 2 hours, varies according to the dilution and absorbency of the substrate.

**EMICODE:** EC1 - very low emission.

**Storage:** 24 months. Protect from frost.

**Application:** by roller and brush.

**Consumption**

0.1-0.2 kg/m<sup>2</sup> depending on the use.

**Packaging**

25 - 10 - 5 - 1 kg plastic drums.







### Eco Prim T



**Solvent-free acrylic primer with very low emission of volatile organic compounds (VOC) for porous and non porous surfaces.**

**Where to use:**

All-purpose primer for improving adhesion of levelling compounds on all porous and non-porous surfaces: cement, gypsum, anhydrite, asphalt, wood, terrazzo. Particularly indicated as bonding promoter for smoothing compounds on residues of old adhesives for resilient and textile floorings.

**Technical data:**

**Consistency:** liquid.  
**Colour:** white.  
**Flammability:** no.  
**Application temperature range:** from +5°C to +40°C.  
**EMICODE:** EC 1 - very low emission.  
**Storage:** 24 months. Protect from frost.  
**Application:** by roller and brush.

**Consumption**

0.10-0.20 kg/m<sup>2</sup>.

**Packaging**

20 and 5 kg drums.



### Mapeprim SP



**Solvent-free two-component primer.**

**Where to use:**

Improves the bonding of smoothing and levelling compounds on gypsum and anhydrite, on very flat and compact surfaces such as ceramic tiles and natural stone.

Wait until **Mapeprim SP** becomes transparent before applying levelling compounds.

Use **Mapeprim SP** only on dry surfaces that are not subject to rising damp. The substrate must be dry and clean, free from oil, grease, traces of paint and any other loose particles.

**Technical data:**

**Consistency:** Part A: liquid; Part B: liquid.  
**Colour:** Part A: light blue; Part B: white.  
**Flammability:** no.  
**Application temperature range:** from +5°C to +40°C.  
**Pot life:** approx. 1 hour.  
**Mixing ratio:** Part A : Part B = 1 : 1.  
**Waiting time before application of smoothing compound:** between 1 and 3 hours depending on the ambient conditions.  
**Maximum time for application of smoothing compound:** 24 hours.  
**Storage:** 24 months.  
**Application:** by brush, roller or flat trowel.

**Consumption**

0.10-0.20 kg/m<sup>2</sup>.

**Packaging**

4 and 2 kg drums.



## Primer KL



**Adhesion promoter on non-porous surfaces for epoxy, epoxy-polyurethane and two-component polyurethane adhesives.**

### Where to use:

Adhesion promoter for **Lignobond**, **Ultrabond P902 2K** and **Ultrabond P913 2K** on existing flooring in:

- ceramic tiles;
- porcelain tiles;
- glass mosaic;
- marble;
- terrazzo;
- etc.

After the application with a wet cotton cloth, it is important that dust, dirt or any other substance that could interfere with the bonding of the adhesive used for installing the wooden flooring does not deposit over the surface.

**Primer KL** may be used as well to dilute the first coat of **Primer MF** (1 kg of **Primer KL**, corresponding to 0.8 liters, for each 6 kg of **Primer MF A+B**).

### Technical data:

**Consistency:** liquid.

**Colour** (pinkish): transparent.

**Flammability:** yes.

**Application temperature range:**

from +5°C to +35°C.

**Drying time:** 5 minutes.

**Storage:** 12 months.

**Application:** wet cotton cloth.

### Consumption

30-40 g/m<sup>2</sup>.

### Packaging

0.8 kg bottles in boxes of 12 and 8 kg metallic drums.



## Primer M



**Solvent-free, one-component primer for polyurethane adhesives, for non-absorbent surfaces.**

### Where to use:

To improve the bonding of **Ultrabond P990 1K**, **Ultrabond Eco P992** and **Ultrabond Eco S955 1K** on non-absorbent surfaces, such as metals (iron, steel, aluminium, copper, zinc-plated sheets, etc.).

**Primer M** is ready for use, and is applied by brush or a roller in a thin, uniform coat. The successive layer of adhesive must only be applied once the primer is no longer sticky to the touch (after approximately 40 minutes at +23°C and 50% R.H.).

### Technical data:

**Consistency:** liquid.

**Colour:** transparent.

**Inflammable:** no.

**Application temperature range:** from +5°C to +35°C.

**Drying time:** 40 minutes.

**Storage:** 12 months.

**Application:** by brush or roller.

### Consumption

50-60 g/m<sup>2</sup>.

### Packaging

250 g canisters.



## Primer 3296



**Aqueous acrylic primer with excellent penetration effect for dusty screeds.**

### Where to use:

Consolidation of unsound substrates. Preparation of unsound screed surfaces before the installation of wooden flooring with vinyl adhesives. Primer for cementitious smoothing compounds.

### Technical data:

**Consistency:** liquid.

**Colour:** opalescent.

**Flammability:** no.

**Application temperature range:**

from +10°C to +35°C.

**Dilution:** no, 1:1 or 1:2 with water depending on the absorption of the substrate.

**Drying time:** 1-5 days.

**Waiting time before laying with vinyl adhesives:** when dry.

**Storage:** 12 months.

**Application:** roller, large brush, brush or watering can.

### Consumption

0.1-0.5 kg/m<sup>2</sup>.

### Packaging

10 and 5 kg drums.





## Livingum



**Additive in water dispersion for cementitious smoothing compounds and mortars.**

**Where to use:**

- Additive for improving the mechanical and adhesion strength of cementitious screeds, renders and coatings.
- Additive for the preparation of cement based slurries to form bonded screeds, for filling depressions and repairing parts of screeds.
- Diluted 1:4 - 1:5 with water, it fixes surface dust on screeds before the installation of wooden flooring with vinyl adhesives.

Livingum can be diluted from 1:2 to 1:5 with water depending on the type of application.

**Technical data:**

**Consistency:** viscose liquid.

**Colour:** white.

**Flammability:** no.

**Application temperature range:** from +5°C to +35°C.

**Storage:** 12 months. Protect from frost.

**Consumption**

depending on dilution.

**Packaging**

25 - 10 - 5 kg drums.



## Primer PA



**Ready-to-use synthetic resin based solvent primer for bonding with Adesilex PA.**

**Where to use:**

Preparation of substrates before the laying of wooden flooring with Adesilex PA adhesive.

Primer PA dries rapidly, penetrates into the substrate and ensures excellent adhesion to Adesilex PA.

**Technical data:**

**Consistency:** liquid.

**Colour:** red.

**Flammability:** yes.

**Application temperature range:** from +10°C to +35°C.

**Drying time:** 4-48 hours depending on the absorption.

**Waiting time before laying with Adesilex PA:** 1-2 days.

**Storage:** 12 months.

**Application:** brush, roller, trowel.

**Consumption**

0.5-0.6 kg/m<sup>2</sup>

**Packaging**

10 kg drums.



# Primers, consolidating compounds and/or moisture barriers



## Profas



**Solvent-free silicate based consolidating compound for cementitious substrates.**

**Where to use:**

Consolidation of cementitious substrates with poor consistency even in depth, hardening cementitious screeds that tend to crumble on the surface. To prevent the formation of an anti-adhesive film, sprinkle dry sand on the surface of the final coat to facilitate bonding of the next treatment. The substrate must be dry and clean, free of oil, grease, paint and any loose particles.

**Technical data:**

**Drying time:** varies according to the absorbency of the substrate.

**Consistency:** liquid.

**Colour:** transparent.

**Flammability:** no.

**Application temperature range:** from +5°C to +35°C.

**Storage:** 24 months. Protect from frost.

**Application:** by roller, brush or watering can.

**Consumption**

0.5-0.7 kg/m<sup>2</sup>.

**Packaging**

25 kg drums.







## Primer PU60



**One-component polyurethane moisture curing primer in solvent for consolidating and waterproofing cementitious screeds.**

### Where to use:

Waterproofing porous cementitious screeds that have residual moisture higher than the maximum quantity acceptable for the installation of wooden flooring. Consolidation of unsound substrates and/or with poor mechanical strength. Anti-dust treatment of cementitious and anhydrite screeds. During application, provide suitable ventilation. If smoothing compounds or adhesives will be used after the application of **Primer PU60**, spread **Quartz 1.2** or dry clean sand over the just treated surface in order to improve the bonding strength of the products to be applied.

### Technical data:

**Consistency:** liquid.

**Colour:** brown.

**Flammability:** yes.

**Application temperature range:** from +5°C to +35°C.

**Dilution:** from 25 to 100% with

**Thinner PU.**

**Set to light foot traffic:** depending on the dilution, 3-8 hours.

**Hardening time:** 24 hours.

**Waiting time before laying with reactive glues:** 2-7 days.

**Storage:** 12 months.

**Application:** roller or brush.

### Consumption

0.4-1.2 kg/m<sup>2</sup>.

### Packaging

10 kg drums.



## Thinner PU



**Thinner in solvent specific for Primer PU60.**

### Where to use:

Thinner for **Primer PU60** and all one and two-component polyurethane products.

### Technical data:

**Consistency:** liquid.

**Colour:** transparent.

**Flammability:** yes.

**Storage:** 12 months.

### Consumption

0.25-1 l per litre of **Primer PU60**, depending on the dilution necessary.

### Packaging

9 kg drums.





## Eco Prim PU 1K



**One-component, solvent-free, hygro-hardening polyurethane primer with very low emission of volatile organic compounds (VOC), for consolidating and waterproofing cementitious screeds.**

### Where to use:

Waterproofing cementitious screeds with a residual moisture content higher than the maximum level recommended for laying wooden floors. Consolidating unstable and/or mechanically weak substrates. Anti-dust treatment for cementitious and anhydrite screeds with a disjointed surface. It may also be blended with quartz and used as a binder to mix synthetic mortar for small smoothing and repair operations. If smoothing compound or parquet floor is to be laid after applying **Eco Prim PU 1K**, **Quartz 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive applications. If sand is not sprinkled on the surface, the wooden floor must be laid within 12-36 hours using a reactive polyurethane adhesive (such as **Ultrabond P990 1K**) or an epoxy-polyurethane adhesive (such as **Lignobond** or **Ultrabond P902 2K**). Parquet may also be laid without sprinkling on the quartz, as long as the reactive adhesive (**Ultrabond P990 1K**, **Ultrabond Eco P992 1K**, **Ultrabond Eco S955 1K**, **Ultrabond P902 2K**, **Ultrabond P913 2K** or **Lignobond**) is applied on the final layer of primer within 3 days.

### Technical data:

**Consistency:** liquid.

**Colour:** brown.

**Inflammable:** no.

**Recommended application temperature**

**range:** from +5°C to +35°C.

**Set to light foot traffic:** after 9-10 hours.

**Waiting time before laying parquet using reactive adhesives:** min. 24 hours, max. 3 days.

**Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz:** 36 hours.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** by roller or brush.

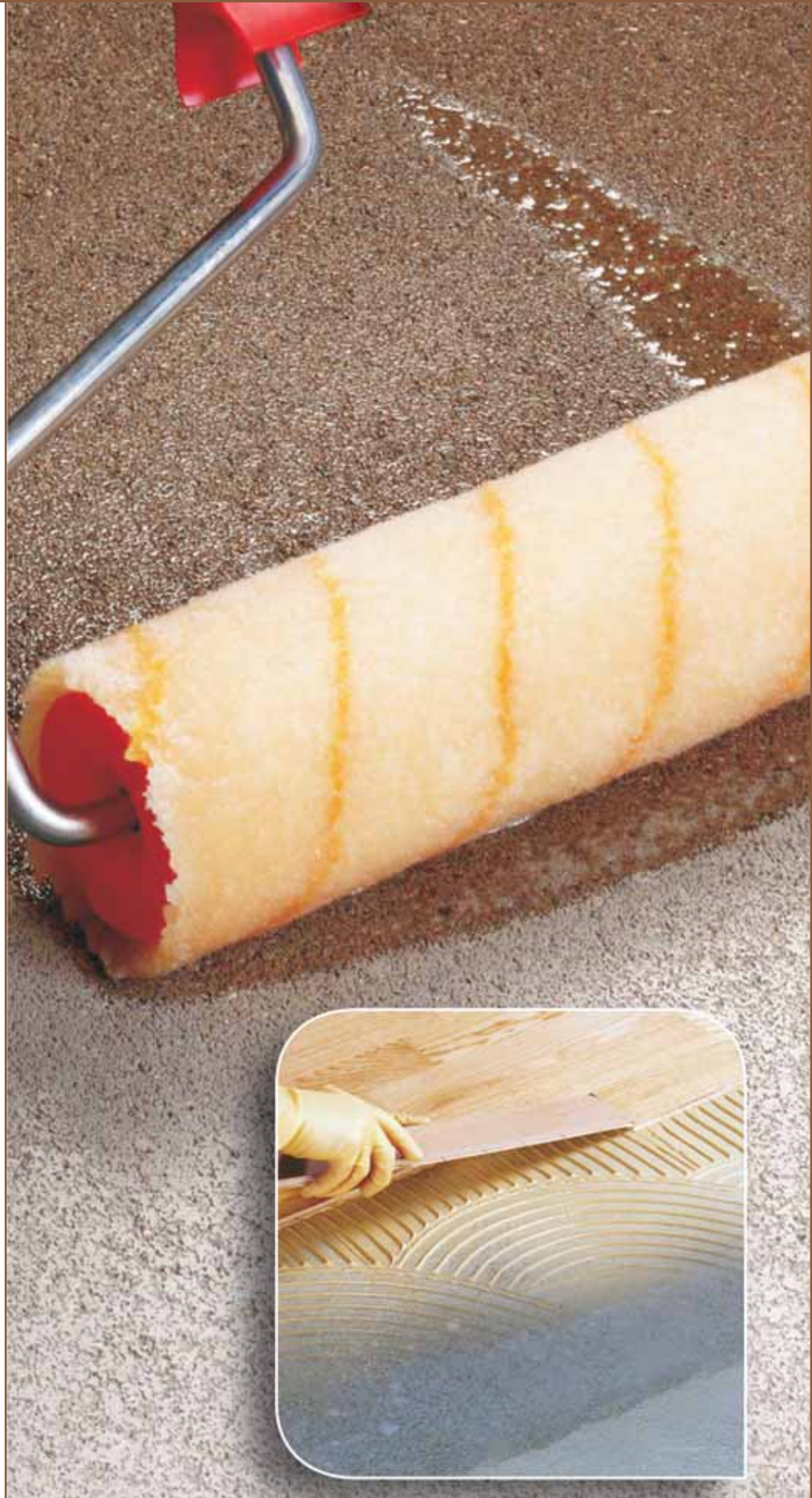
**Consumption:** 0.2-0.4 kg/m<sup>2</sup>.

### Consumption

0.2-0.4 kg/m<sup>2</sup> per coat.

### Packaging

10 kg drums.





SHOPPI MALL - Spreitenbach - Switzerland  
 Products used: EPORIP TURBO, NIVORAPID, ECO PRIM PU 1K, PRIMER MF, ULTRAPLAN ECO, ULTRABOND P902 2K

## Eco Prim PU 1K Turbo



**One-component, solvent-free, damp-hardening, rapid-drying polyurethane primer with very low emission of volatile organic compounds (VOC) for consolidating and waterproofing cementitious screeds.**

### Where to use:

Consolidating and dust-repelling treatments on cementitious, anhydrite and heated substrates with a crumbly surface. Waterproofing cementitious screeds with a residual humidity content higher than the maximum level recommended for laying wooden floors.

If smoothing compound or adhesive is to be spread on the surface after applying **Eco Prim PU 1K, Quarzo 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive layers.

Instead of sprinkling on quartz, bonding of the smoothing compound may be improved by applying a coat of **Eco Prim T** on the surface of **Eco Prim PU 1K** when it is dry and ready to be stepped on (after approximately 2 hours).

Parquet may also be laid without sprinkling on the quartz, as long as the reactive adhesive (**Ultrabond P990 1K, Ultrabond Eco P992 1K, Ultrabond Eco S955 1K, Ultrabond P902 2K, Ultrabond P913 2K** or **Lignobond**) is applied on the final layer of primer within 3 days.

### Technical data:

**Consistency:** liquid.

**Colour:** brown.

**Inflammable:** no.

**Recommended application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 2-3 hours.

**Waiting time before laying parquet using reactive adhesives:** minimum 2 hours, max. 3 days.

**Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz:** 2 hours.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** by roller or brush.

### Consumption:

0.1-0.45 kg/m<sup>2</sup>.

### Packaging

10 kg drums.



## Primer MF



**Two-component solvent-free epoxy primer to be used as an adhesion promoter for products from the Mapefloor range and to consolidate and waterproof cementitious substrates.**

### Where to use:

- Consolidating compound by impregnation of cementitious screeds, also radiant heated screeds, and unsound anhydrite screeds.
- Consolidating impregnation with anti-dust effect of concrete floors in garages, warehouses, industries, etc. and cementitious surfaces before the installation of raised flooring.
- Waterproofing screeds and concrete floors to prevent the excess rising of residual moisture.

In order to improve the penetration properties into the screed's thickness, the first coat of **Primer MF** may be diluted with **Primer KL** (max. 0.8 liters, corresponding to 1 kg, of **Primer KL** for every 6 kg of **Primer MF A+B**).

If smoothing compounds or adhesives will be used after the application of **Primer MF**, spread **Quartz 1.2** or dry clean sand over the just treated surface in order to improve the bonding strength of the products to be applied.

### Technical data:

**Consistency:** liquid.

**Colour:** transparent yellow.

**Flammability:** no.

**Application temperature range:** from +10°C to +35°C.

**Waiting time before the installation of floors or application of smoothing compounds:** 24-48 hours depending on the temperature.

**Pot life:** 90 minutes.

**Mixing ratio:** part A : part B = 3 : 1.

**Storage:** 24 months.

**Application:** roller and brush.

### Consumption

0.2-0.3 kg/m<sup>2</sup>, varies according to the absorption of the substrate.

### Packaging

1 kg (A+B) and 6 kg (A+B) units.



## Primer EP



**Two-component waterproofing and consolidating primer, in solvent solution, for screeds and industrial flooring.**

### Where to use:

- Primer for the consolidation of surfaces of dusty or crumbly cementitious screeds, for anhydrite screeds, radiant heated screeds, old terrazzo tiles, gypsum and gypsum board.
- Waterproofing damp screeds to isolate residual moisture.
- Anti-dust impregnating primer over industrial flooring, garages, raised flooring.

If a levelling compound is used after the application of **Primer EP**, spread dry sand over the just treated surface to create a suitable mechanical key.

The substrate must be dry and clean, free of oil, grease, traces of paint and any loose particles.

### Technical data:

**Minimum drying time:** 24 hours

depending on the porosity of the substrate.

**Consistency:** liquid.

**Colour:** transparent.

**Flammability:** yes.

**Application temperature range:** from +10°C to +40°C.

**Pot life of the mixture:** 4-5 hours.

**Mixing ratio:** Part A : Part B = 1 : 1.

**Storage:** 24 months.

**Application:** by roller, brush or watering can.

### Consumption

0.5-0.7 kg/m<sup>2</sup>.

### Packaging

5+5 kg drums.



## Quartz 1.2



**Washed and dried siliceous sand with controlled grading to be used to ensure bonding over resins or epoxy primers.**

### Where to use:

Can be used in all cases where rough surfaces are absolutely necessary to help the adhesion of smoothing compounds and adhesives over resins or epoxy and polyurethane primers.

### Technical data:

**Colour:** grey - beige.

**Grading:** 0.7-1.2.

### Packaging

25 kg bags.







CANOVA AIRPORT - Treviso - Italy  
Products used: EPORIP, PLANICRETE, PRIMER KL,  
PRIMER MF, TOPCEM PRONTO, ULTRABOND P902 2K,  
ULTRAPLAN, ULTRAPLAN MAXI, TRIBLOCK P

## Triblock P



**Three-component, epoxy-cementitious primer for waterproofing damp substrates, including non-absorbent ones.**

### Where to use:

**Triblock P** is used as a waterproofing system for damp substrates, especially:

- old ceramic or terrazzo floor dressings on substrates with excessive residual humidity;
- cementitious substrates with a humidity content higher than the recommended level for laying wooden or resilient floors.

**Triblock P** is a three-component epoxy-cementitious system which is diluted with water. It has the capacity of reticulating on even very smooth, sound damp surfaces and of forming a compact, waterproof layer which is suitable for laying parquet, PVC, linoleum, rubber and cementitious smoothing compounds.

The surface must be dry, clean and free of grease, oil, traces of old paintwork and any other coating which may be removed.

### Technical data:

**Consistency:** component A liquid; component B liquid; component C powder.

**Colour:** component A white; component B white; component C white.

**Inflammable:** no.

**Recommended application temperature range:** from +5°C to +35°C.

**Waiting time between the first and second coat:** 4-6 hours.

**Waiting time before laying floors or smoothing compounds:** 18 hours.

**Pot life:** 30-40 minutes.

**Mixing ratio:** component A : component B : component C = 12 : 38 : 50.

**Shelf life:** 24 months.

**Application:** by brush or roller.

### Consumption

0.5 kg/m<sup>2</sup>.

### Packaging

5 kg drums (A+B+C).



# Sealants



## Eporip



**Two-component epoxy adhesive for cold joints and sealing of cracks in screeds. Solvent-free.**

**Where to use:**

- Creation of cold joints between fresh and old concrete.
- Stiff sealing of damages or cracks in screeds, cement floors, etc.

When it is necessary to recreate the monolithic property of the structure, apply **Eporip** on clean and dry surfaces. The substrate must be clean, dry, free from oil, grease, traces of paint and other loose material.

**Technical data:**

**Consistency:** Part A: fluid paste; Part B fluid paste.

**Colour:** Part A: black; Part B: white.

**Mixing ratio:** Part A : Part B = 3 : 1.

**Flammability:** no.

**Application temperature range:** from +5°C to +30°C.

**Setting time:** 24 hours.

**Workability:** 60 minutes.

**Open time:** 5 hours.

**Storage:** 12 months.

**Application:** by brush, trowel or by pouring.

**Consumption**

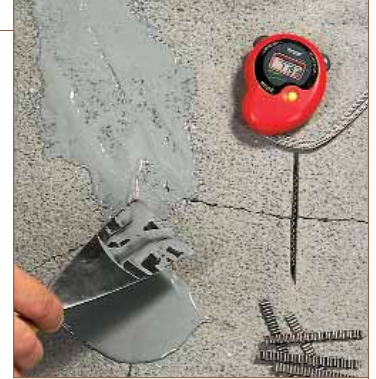
0.5-2 kg/m<sup>2</sup>.

**Packaging**

10 and 2 kg kit.



## Eporip Turbo



**Very fast hardening two-component polyester resin.**

**Where to use:**

- Sealing cracks in screeds.
- By adding dry sand, **Eporip Turbo** can be used to manufacture mortars for small reparations.

**Eporip Turbo** hardens in approximately 20 minutes.

**Technical data:**

**Consistency:** Part A: fluid paste; Part B: fluid paste.

**Colour:** Part A: grey; Part B: white.

**Mixing ratio:** Part A : Part B = 500 : 8.

**Flammability:** yes.

**Application temperature range:** from +5°C to +30°C.

**Setting time:** 20-30 minutes.

**Workability:** 7 minutes.

**Storage:** 12 months.

**Application:** by trowel or by pouring.

**Consumption**

1.7 kg per litre of cavity to be filled.

**Packaging**

508 g metal cans  
(Part A: 500 g; Part B: 8 g).





# Cleaning materials

## Pulicol



**Solvent gel to remove adhesives and paint.**

**Where to use:**

- Removal of old natural and synthetic resin based adhesives and paint.
- Cleaning old adhesives from marble and ceramic flooring, levelling compounds, ceramic tiles, mosaic, gypsum, metal, fibre-cement coverings.

After treatment with **Pulicol** wash the surface with water and soda then rinse.

**Technical data:**

**Consistency:** gel.

**Colour:** transparent.

**Flammability:** yes.

**Application temperature range:** from +10°C to +35°C.

**Waiting time before removal:**

- adhesives in water dispersion or in solution: 5 minutes;
- reactive adhesives: 60 minutes.

**Storage:** 24 months.  
**Application:** by brush.

**Consumption**

0.3 kg/m<sup>2</sup>.

**Packaging**

3 and 1 kg drums.



## Cleaner L



**Cleaning solution for pre-finished parquet.**

**Where to use:**

Removal of traces of single component, polyurethane adhesive, epoxy adhesive and two-component, epoxy-polyurethane adhesive.

**Technical data:**

**Consistency:** liquid.

**Colour:** transparent.

**Flammability:** yes.

**Application temperature range:** from +5°C to +35°C.

**Drying time:** 24 hours.

**Storage:** 12 months.

**Application:** with a cotton rag.

**Consumption**

5-20 g/m<sup>2</sup>.

**Packaging**

multi-pack of 12 1 l (0.85 kg) - bottles.



## Cleaner H



**Damp wipes for cleaning hands.**

**Where to use:**

Removing traces of fresh adhesive and sealant from hands and surfaces. Particularly suitable for removing traces of single component, polyurethane adhesive (such as **Ultrabond P990 1K** and **Ultrabond Eco P992 1K**) and two-component epoxy-polyurethane adhesive (such as **Ultrabond P902 2K** and **Lignobond**).




**Cleaner H** wipes are a quick, handy item for cleaning hands on site when water is not available. The detergent solution which saturates the wipes contains vitamin E and real aloe that protects hands and leaves a pleasant smell.

**Packaging**

plastic tubs containing 80 wipes (20x30 cm).



# Selection table of mapei adhesives for the installation of wooden floors

| Substrates                           |   |  |                            |                       |  |                          |                          |                  |
|--------------------------------------|---|--|----------------------------|-----------------------|--|--------------------------|--------------------------|------------------|
|                                      |  <b>Ultrabond P990 1K</b> |  <b>Ultrabond Eco P992 1K</b> | <b>Ultrabond P997 1K T</b> | <b>Ultrabond P-R9</b> |  <b>Ultrabond Eco S955 1K</b> | <b>Ultrabond P902 2K</b> | <b>Ultrabond P913 2K</b> | <b>Lignobond</b> |
| <b>TYPES OF PARQUET</b>              |   |  |                            |                       |  |                          |                          |                  |
| Mosaic (EN 13488)                    | ●   | ●  |                            | ● □                   | ●  | ●                        | ●                        | ●                |
| Solid wood without joints (EN 13227) | ●   | ●  |                            | ● □                   | ●  | ● △                      | ●                        | ●                |
| Solid jointed wood (EN 13226)        | ●   | ●  |                            | ● □                   | ●  | ● △                      | ●                        | ●                |
| Assembled control panels (EN 13629)  | ●   | ●  | ● +                        | ● □                   | ●  | ●                        | ●                        | ●                |
| Plywood elements (EN 13489)          | ●   | ●  | ● +                        | ● □                   | ●  | ●                        | ●                        | ●                |
| Laminated and floating               |   |  |                            |                       |  |                          |                          |                  |
| Wood skirting                        | ●   |  | ●                          |                       |  |                          |                          |                  |
| Stairs                               |   |  | ● +                        |                       |  |                          |                          |                  |

**KEY**



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 Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



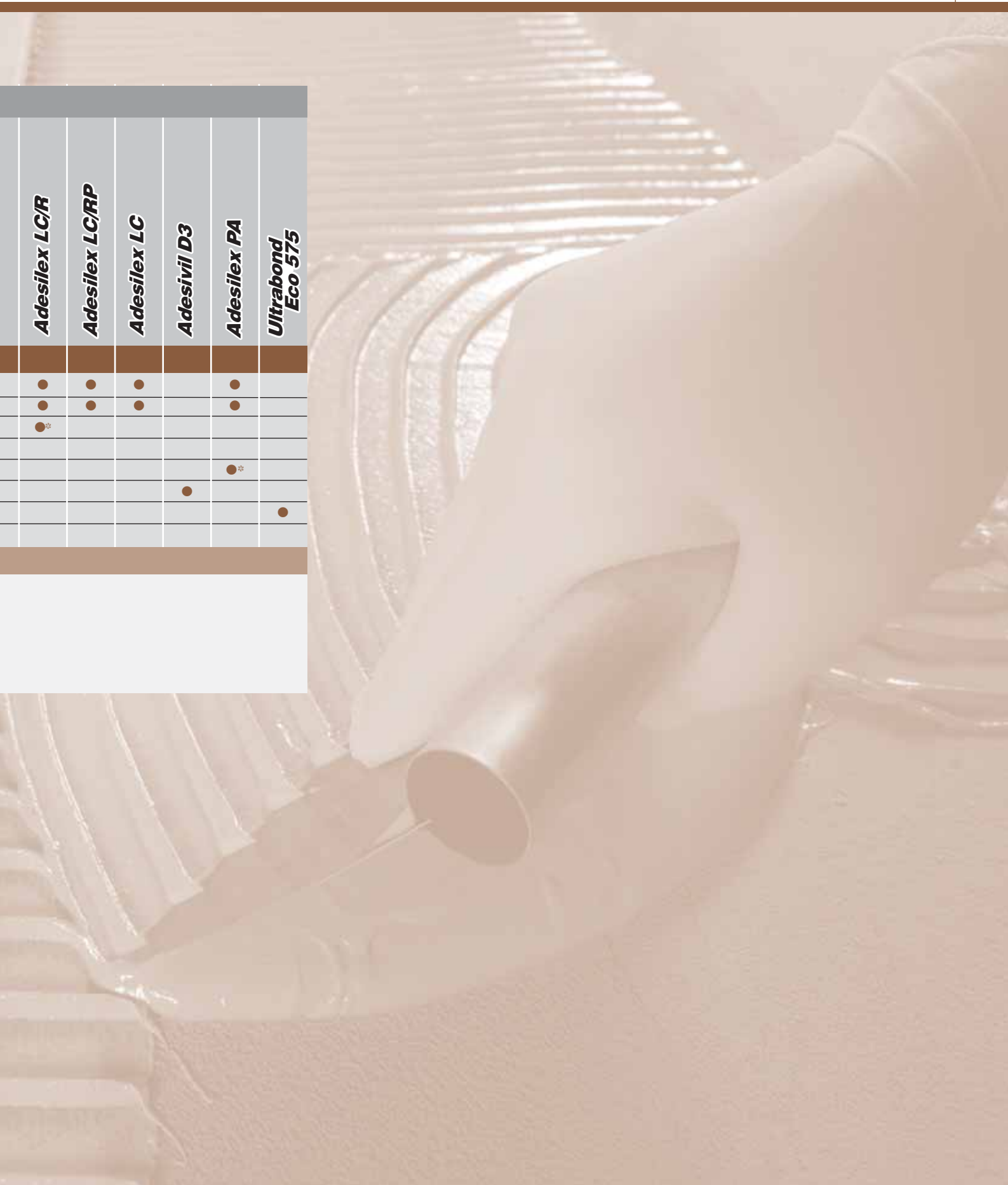
- MAPEI recommended
- \* Small sized (L ≤ 500 mm)
- + Kerb laying
- △ Medium sized
- For the fixing of elements non perfectly anchored to the substrate

**N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT**



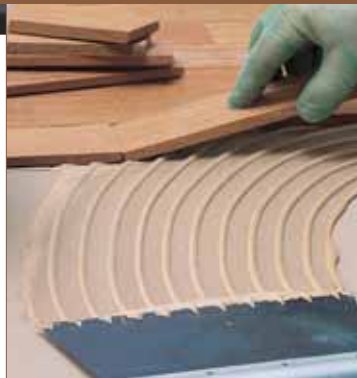
**SELECTION TABLE OF MAPEI ADHESIVES  
FOR THE INSTALLATION OF WOODEN FLOORS**

|  | <b>Adesilex LC/R</b> | <b>Adesilex LC/RP</b> | <b>Adesilex LC</b> | <b>Adesivil D3</b> | <b>Adesilex PA</b> | <b>Ultrabond Eco 575</b> |
|--|----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------------|
|  | •                    | •                     | •                  |                    | •                  |                          |
|  | •                    | •                     | •                  |                    | •                  |                          |
|  | •                    |                       |                    |                    |                    |                          |
|  |                      |                       |                    |                    | •                  |                          |
|  |                      |                       |                    | •                  |                    |                          |
|  |                      |                       |                    |                    | •                  |                          |
|  |                      |                       |                    |                    |                    | •                        |



# Water vinyl adhesives

## Adesilex LC/R



**Fast-setting adhesive in water emulsion and with low water content for bonding wooden flooring.**

**Where to use:**

Bonding of:

- wood-back strips and mosaic wooden flooring;
- strips, blocks;
- small wood strips of all types of wood.

**Technical data:**

**Consistency:** thick paste.

**Colour:** beige and brown.

**Flammability:** no.

**Application temperature range:**

from +10°C to +30°C.

**Open time:** approximately 30 minutes.

**Set to light foot traffic:** after 24 hours.

**Polishing:** once completely dry (minimum 10 days).

**Storage:** 24 months. Protect from frost.

**Application:** notched trowel.

**Consumption**

0.8-1.0 kg/m<sup>2</sup>.

**Packaging**

20 and 12 kg drums.



## Adesilex LC/RP



**Adhesive in water dispersion and with low water content for bonding wooden flooring.**

**Where to use:**

Bonding of:

- wood-back strips and mosaic wooden flooring;
- all types of wooden strips;
- small wood strips not very sensitive to moisture.

**Technical data:**

**Consistency:** thick paste.

**Colour:** beige and brown.

**Flammability:** no.

**Application temperature range:**

from +10°C to +30°C.

**Open time:** approximately 30 minutes.

**Set to light foot traffic:** after 24 hours.

**Polishing:** once completely dry (minimum 10 days).

**Storage:** 24 months. Protect from frost.

**Application:** notched trowel.

**Consumption**

0.8-1.0 kg/m<sup>2</sup>.

**Packaging**

20 and 12 kg drums.





PRIVATE APARTMENT - Reggio Emilia - Italy  
Wooden flooring laid with ADESILEX LC/R and ULTRABOND P902 2K  
on screed carried out with ECO PRIM PI 1K



## Adesilex LC



**Adhesive in water emulsion for bonding wooden flooring.**

**Where to use:**

Bonding of:

- wood-back strips and mosaic wooden flooring;
- all types of wooden strips and blocks;
- small wood strips not very sensitive to moisture.

**Technical data:**

**Consistency:** thick paste.

**Colour:** beige and brown.

**Flammability:** no.

**Application temperature range:**

from +10°C to +30°C.

**Open time:** approximately 30 minutes.

**Set to light foot traffic:** after 24 hours.

**Polishing:** once completely dry (minimum 20 days).

**Storage:** 24 months. Protect from frost.

**Application:** notched trowel.

**Consumption**

0.8-1.0 kg/m<sup>2</sup>.

**Packaging**

20 and 10 kg drums.



## Adesivil D3



**Solvent-free adhesive for prefinished water resistant floating wooden or laminate flooring.**

**Where to use:**

Bonding of:

- joints between pieces of prefinished wooden flooring;
- small wooden pieces;
- DIY works.

**Technical data:**

**Consistency:** viscose liquid.

**Colour:** white.

**Dried film:** transparent.

**Flammability:** no.

**Application temperature range:**

from +15°C to +35°C.

**Open time:** 5-10 minutes.

**Set to light foot traffic:** after approx. 12 hours.

**Final hardening:** approximately 24 hours.

**Resistance to water:** D3

class/EN 204-205.

**Storage:** 24 months. Protect from frost.

**Application:** extrusion from the nozzle of the bottle.

**Consumption**

0.025 kg/m or 0.1-0.2 kg/m<sup>2</sup>.

**Packaging**

0.5 kg bottles.



# Adhesives based on resins in alcohol

## Adesilex PA



**Adhesive based on synthetic resins in alcohol for bonding wooden flooring.**

**Where to use:**

Bonding of:

- wood-back strips and mosaic wooden flooring;
- all types of wooden strips and blocks;
- small sized prefinished wooden flooring.

**Technical data:**

**Consistency:** creamy paste.

**Colour:** beige.

**Flammability:** yes.

**Application temperature range:**

from +10°C to +30°C.

**Open time:** approx. 10-20 minutes.

**Set to light foot traffic:** after 24-72 hours.

**Polishing:** at least 72 hours.

**Storage:** 24 months.

**Application:** notched trowel.

**Consumption**

0.6-1.2 kg/m<sup>2</sup>.

**Packaging**

16 kg drums.



FLATS IN WIENERBERG - Austria  
Products used: TOPCEM PRONTO,  
PRIMER PA, ADESILEX PA



## Sililated-based adhesives



HOTEL WERZER -  
Pörtschach - Austria  
Products used:  
NIVORAPID, PRIMER G,  
ADESILEX PA

### **Ultrabond Eco S955 1K**



**One-component, isocyanate and solvent-free, silanised polymer-based adhesive with an extremely low emission level of volatile organic compounds, for all types of parquet.**

**Where to use:**

Bonding pre-finished and traditional solid wood parquet, pre-assembled tops and all shapes and types of multi-layered elements on any kind of substrate. Suitable for heated substrates. No hazard symbols on packaging, and does not contain solvents, isocyanates or free amines, so may be used by those subjects allergic to epoxy-polyurethane products. Easy to clean from hands and pre-finished surfaces. Particularly suitable whenever blocks must be fixed quickly in place.

**Technical data:**

**Consistency:** creamy paste.

**Colour:** beige or brown.

**Inflammable:** no.

**Recommended application temperature**

**range:** from +10°C to +35°C.

**Open time:** 50-60 minutes.

**Set to light foot traffic:** after 12 hours.

**Sanding:** after 3 days.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** notched trowel.

**Consumption**

0.8-1.2 kg/m<sup>2</sup>.

**Packaging**

15 kg aluminium bags contained in plastic drums.



# Two-component epoxy-polyurethane adhesives

## Lignobond



**Two-component solvent and water free epoxy-polyurethane adhesive for wooden flooring.**

**Where to use:**

Bonding of all types and sizes of wooden flooring on all types of substrate. Suitable for heating screeds.

**Technical data:**

**Consistency:** comp. A: thick paste; comp. B: fluid paste.

**Colour:** comp. A: dark brown or beige; comp.: straw yellow.

**Flammability:** no.

**Mixture ratio:** comp. A : comp. B = 90 : 10.

**Pot life:** 50-60 minutes.

**Application temperature range:** from +10°C to +30°C.

**Open time:** 1 hours.

**Setting time:** 5 hours.

**Set to light foot traffic:** after 12-24 hours.

**Polishing:** after 3 days.

**Storage:** 24 months.

**Application:** notched trowel.

**Consumption**

1.0-1.5 kg/m<sup>2</sup>.

**Packaging**

10 kg and 5 kg drums.



## Ultrabond P902 2K



**Two-component epoxy-polyurethane adhesive for wooden flooring.**

**Where to use:**

Bonding of all types and sizes of wooden flooring on all types of substrate. Suitable for heating screeds.

**Technical data:**

**Consistency:** comp. A: pasty; comp. B: pasty.

**Colour:** comp. A: beige or brown; comp. B: whitish.

**Flammability:** no.

**Mixture ratio:** comp. A : comp. B = 90 : 10.

**Pot life:** 60-70 minutes.

**Application temperature range:**

from +10°C to +30°C.

**Open time:** 1 hour.

**Set to light foot traffic:** after 24 hours.

**Polishing:** after 3 days.

**Storage:** 24 months.

**Application:** notched trowel.

**Consumption**

1.0-1.5 kg/m<sup>2</sup>.

**Packaging**

10 kg drums (A+B).





HOTEL NHOW - Milan - Italy  
Wooden flooring installed with ULTRABOND P902 2K on screeds prepared with MAPECEM, MAPECEM PRONTO, TOPCEM and TOPCEM PRONTO



### Ultrabond P913 2K



**Two-component, epoxy-polyurethane adhesive for wooden floors.**

**Where to use:**  
Bonding traditional, medium-sized solid wood floors and for all types of pre-finished floors.

**Technical data:**  
**Consistency:** comp. A: paste; comp. B: paste.  
**Colour:** comp. A: beige or brown; comp. B: beige.  
**Inflammable:** no.  
**Mixing ratio:** comp. A : comp. B = 90 : 10.  
**Pot life of mix:** 60 minutes.  
**Recommended application temperature range:** from +10°C to +30°C.  
**Open time:** 60 minutes.  
**Set to light foot traffic:** after 24 hours.  
**Sanding:** after 3 days.  
**Storage:** 24 months.  
**Application:** notched trowel.

**Consumption**  
1.0-1.5 kg/m<sup>2</sup>.

**Packaging**  
10 kg drums (A + B).

# One-component polyurethane adhesives



## Ultrabond P990 1K



**Ready-to-use polyurethane one-component, solvent-free, elastic adhesive for all types of wooden flooring and with very low emission of volatile organic compounds (VOC).**

### Where to use:

Bonding pre-finished and traditional solid wood parquet, pre-assembled tops and all shapes and types of multi-layered elements on any kind of substrate. Particularly suitable for underfloor heating systems.

**Ultrabond P990 1K** is odourless, solvent free and exempt from free amines, therefore even installers allergic to epoxy and epoxy-polyurethane products can use it.

### Technical data:

**Consistency:** creamy paste.

**Colour:** beige and brown.

**Flammability:** no.

**Application temperature range:** from +10°C to +35°C.

**Open time:** 110 minutes.

**Set to light foot traffic:** after 12 hours.

**Polishing:** after 3 days.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** notched trowel.

### Consumption

0.8-1.0 kg/m<sup>2</sup>.

### Packaging

15 and 7 kg in aluminium bags contained in plastic drums.

Carton containing twenty 600 cc aluminium soft cartridges.







**Ultrabond P997 1K T**



**Solvent-free, one-component, ready-to-use, thixotropic polyurethane adhesive for laying wooden steps.**

**Where to use:**  
 Laying wooden uprights treads and stairs and wooden mosaic on wall. Also suitable for bonding wooden baseboards and for laying pre-finished, three-layered parquet with beads of adhesive:

**Technical data:**  
**Consistency:** thixotropic paste.  
**Colour:** ochre.  
**Inflammable:** no.  
**Recommended application temperature range:** from +10°C to +35°C.  
**Open time:** approx. 100 minutes.  
**Set to light foot traffic:** after 12 hours.  
**Polishing:** after 3 days.  
**Storage:** 12 months.  
**Application:** by extrusion.

**Consumption**  
 - installing wooden stairs: the yeald is ca. 2 m<sup>2</sup> each soft cartridge (diagonal bead with the distance of 5-10 cm);  
 - installing pre-finished parquet with three layers: the yeald is ca. 4/6 m<sup>2</sup> each soft cartridge (diagonal bead with the distance of 10-15 cm);  
 - installing wood skirtings: the yeald is ca. 15 ml each soft cartridge.

**Packaging**  
 boxes containing 20 aluminium soft cartridges, each one containing 600 c.c.



**Ultrabond Eco P992 1K**



**Solvent-free, one-component, ready-to-use, flexible polyurethane adhesive with an extremely low emission level of volatile organic compounds, for all types of parquet and laminates.**

**Where to use:**  
 Bonding pre-finished and traditional solid wood parquet, pre-assembled tops and all shapes and types of multi-layered elements on any kind of substrate. It is particularly suitable for heating substrates. It is also suitable for floor layers allergic to epoxy and epoxy-polyurethane products. Does not carry any hazard warning indication and is completely free of solvents and any substance which gives off unpleasant odours therefore is particularly suitable for rebuilding work, and for use close to inhabited areas.

**Technical data:**  
**Consistency:** creamy paste.  
**Colour:** beige.  
**Inflammable:** no.  
**Recommended application temperature range:** from +10°C to +35°C.  
**Open time:** 140 minutes.  
**Set to light foot traffic:** after 12 hours.  
**Facing:** after 3 days.  
**EMICODE classification:** EC1 - very low emission.  
**Storage:** 12 months.  
**Application:** notched trowel.

**Consumption**  
 0.8-1.0 kg/m<sup>2</sup>.

**Packaging**  
 15 kg aluminium bags contained in plastic drums.



**Ultrabond P-R9**



**One-component, hygro-setting, expansive polyurethane adhesive used by injection, for fastening and repairing parquet elements which are not perfectly bonded to the substrate.**

**Where to use:**  
 Fastening and repairing parquet elements which are not perfectly bonded to the substrate, by injecting the product into holes drilled in correspondence with the joints between the elements. It may also be used indoors on pre-finished and painted floors, both before and after sanding. Take care when applying the product.

**Technical data:**  
**Consistency:** liquid.  
**Colour:** brown.  
**Inflammable:** no.  
**Recommended application temperature range:** from +10°C to +35°C.  
**Sanding:** after 24 hours.  
**Set to light foot traffic:** after 24 hours.  
**Storage:** 6 months.  
**Application:** by extrusion from the tip on the canister.

**Consumption**  
 1-2 ml injected into each hole.

**Packaging**  
 0.5 kg canisters.

## Coloured sealants



**Silwood**

**New**



**Acrylic sealant in water dispersion for wooden floors.**

**Where to use:**

Sealing perimeter joints in wooden floors and joints between different types of floors when there is no joint trim. Once dry, **Silwood** may be sanded down and painted over.

It is available in oak, iroko, doussié, wengé, teak, walnut, cherry, beech, maple and birch, and their colours are very similar to the various types of wood most commonly used.

**Technical data:**

**Consistency:** creamy paste.

**Colour:** oak, iroko, doussié, wengé, teak, walnut, cherry, beech, maple and birch (insert code numbers).

**Inflammable:** no.

**Application temperature range:** from +5°C to +35°C.

**Open time:** 10-20 minutes.

**Sanding:** after 24 hours. After sanding, the product may be painted over.

**Storage:** 12 months.

**Application:** by extrusion from a tube.

**Consumption**

according to the size of the joint to be filled, calculating that its volume mass is 1.75 g/cm<sup>3</sup>.

**Packaging:**

310 ml tubes.





# Water-based and solvent-based stuccos

## PAINTS, STUCCOS, BASE COATS AND COLOURED SEALANTS FOR WOODEN FLOORING

### Ultracoat Acqua Plus

New



**Solvent-free, water-based binder with extremely low emission levels of volatile organic compounds (VOC) and no NMP, mixed with sawdust for grouting wooden floors. Suitable for water-based varnishing cycles.**

**Where to use:**

Grouting and preparing traditional wooden floors, both pre-polished and those requiring repair.

Prepare the grout by mixing the product with sawdust given off during sanding (mixing ratio **Ultracoat Acqua Plus**: sawdust = 3-4 : 1) until a homogenous paste is obtained. Seal the floor by applying the product with a stainless steel or plastic trowel, forcing as much mix as possible to penetrate into the cracks.

**Technical data:**

**Consistency:** liquid.

**Colour:** whitish.

**Inflammable:** no.

**Recommended application temperature range:** from +10°C to +35°C.

**Sanding:** after approximately 1 hour.

**Painting:** the surface may be painted over after 3 hours, and within 5 hours, with water-based varnish.

**Storage:** 12 months.

**Application:** stainless steel or plastic trowel.

**Consumption**

100-120 g/m<sup>2</sup> per coat.

**Packaging**

5 l cans.



### Ultracoat LS

New



**Nitro-cellulose based binder in solvents, mixed with sawdust for grouting wooden floors. Also suitable for sealing large cracks.**

**Where to use:**

Grouting and preparing traditional wooden floors, both pre-polished and those requiring repair.

prepare the grout by mixing the product with sawdust given off during sanding (mixing ratio **Ultracoat LS**:

sawdust = 3-5 : 1) until a homogenous

paste is obtained. Seal the floor by

applying the product with a stainless steel or plastic trowel, forcing as much mix as possible to penetrate into the cracks.

**Technical data:**

**Consistency:** liquid.

**Colour:** brown.

**Inflammable:** yes.

**Recommended application temperature range:** from +10°C to +35°C.

**Sanding:** after approximately 30 minutes.

**Painting:** after 30 minutes.

**Storage:** 12 months.

**Application:** stainless steel or plastic trowel.

**Consumption**

100-120 g/m<sup>2</sup> per coat.

**Packaging**

10 kg drums.

## Water-based base coats

New

### Ultracoat P920 2K



**Two-component water-based base coat, with very low emission of volatile organic compounds (VOC) and no NMP, for wooden floors.**

**Where to use:**

Preparation of traditional wooden floors, both pre-polished and those requiring repair.

Two-component, water-based base product characterised by its high insulating properties. Easy to sand down and easy to apply.

Reduces the problem of overlaps.

**Ultracoat P920 2K** has been developed to stain wood without causing unsightly colour variations on wood rich in tannin and other water-soluble colorants (such as oak, teak, etc.). Therefore, it is particularly suitable for more difficult types of wood to avoid them becoming darker or redder.

**Ultracoat P920 2K** contains a high level of residual solids, and when used in combination with **Ultracoat P925** two-component, water-based paint, it may be applied in two coats.

If single component water-based **Ultracoat P915** paint is used, we recommend applying the cycle in three coats.

**Technical data:**

**Consistency:** comp. A liquid; comp. B liquid.

**Colour:** comp. A transparent; comp. B whitish.

**Inflammable:** no.

**Recommended application temperature range:** from +10°C to +35°C.

**Pot life of mix:** 2 hours.

**Mixing ratio:** comp. A : comp. B = 5:1 (in volume).

**Maximum permitted dilution ratio (Dir. 2004/42/CEE):** 10% with clean water. Recommended at all times at high temperatures.

**Sanding:** after 12 hours.

**Painting:** after 2 hours, and within 12 hours.

**Storage:** 12 months.

**Application:** by roller or brush.

**Consumption**

80-100 g/m<sup>2</sup> per coat.

**Packaging**

6 l units (A + B).





# Water-based and solvent-based varnishes

## PAINTS, STUCCOS, BASE COATS AND COLOURED SEALANTS FOR WOODEN FLOORING

**New**

### Ultracoat P915



**One-component, water-based polyurethane varnish, with extremely low emission levels of volatile organic compounds (VOC) and no NMP, highly resistant to wear and abrasion, for wooden floors. Suitable for floors subject to frequent pedestrian use.**

**Where to use:**

Highly protective, wear and abrasion-resistant finish for traditional wooden floors for civil and commercial use, both pre-sanded and those requiring repair. **Ultracoat P915** has excellent resistance to abrasion and skid marks. It is aesthetically different from conventional water-based products, in that it is transparent and leaves a warm-coloured finish to the wood. We recommend a three-coat cycle using **Ultracoat P915** or, as an alternative, a first coat of **Ultracoat P920 2K** two-component, water-based base product followed by two coats of **Ultracoat P915**. **Ultracoat P915** is available in opaque (30 gloss - **Ultracoat P915/O**) and satin finish (60 gloss - **Ultracoat P915/S**).

**Technical data:**

**Consistency:** liquid.  
**Colour:** transparent.  
**Gloss factor:** opaque (30 gloss) and satin finish (60 gloss).  
**Inflammable:** no.  
**Recommended application temperature range:** from +10°C to +35°C.  
**Maximum permitted dilution ratio (Dir. 2004/42/CEE):** 10% with clean water.  
**Sanding:** after 8 hours.  
**Painting:** after 3 hours, and within 5 hours.  
**Ready for use:** 36-48 hours.  
**Storage:** 12 months.  
**Application:** by roller or brush.

**Consumption**  
70-90 g/m<sup>2</sup> per coat.

**Packaging**  
5 l cans.

**New**

### Ultracoat P925



**Two-component, water-based polyurethane varnish, with an extremely low emission level of volatile organic compounds (VOC) and no NMP, highly resistant to wear and abrasion, for wooden floors. Suitable for floors subject to extremely high pedestrian use.**

**Where to use:**

Highly protective and wear and abrasion-resistant finish on traditional and pre-sanded wood, and wooden floors requiring repair. It may be used in civil and commercial environments subject to extremely high pedestrian use (public offices, shopping centres, airports, exhibition halls, etc.)

**Ultracoat P925** has excellent resistance to abrasion and skid marks, which has never been possible with other water-based products. It leaves the parquet with an attractive "natural" finish. Floors treated with this varnish have a natural, even finish, and may be cleaned very easily, as with impregnation cycles which require the use of oil and wax. If it is applied directly without a base product, it livens up the colour of the parquet without yellowing over the years.

A single coat applied directly on top of **Ultracoat P920 2K** base product is usually enough to complete the varnishing cycle. As an alternative, **Ultracoat P925** may be applied directly on the floor instead of the base coat.

**Ultracoat P925** is available in opaque (30 gloss - **Ultracoat P925/O**) and satin finish (60 gloss - **Ultracoat P925/S**).

**Technical data:**

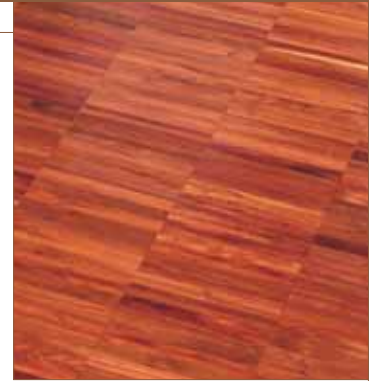
**Consistency:** comp. A liquid; comp. B liquid.  
**Colour:** comp. A transparent; comp. B whitish.  
**Gloss factor:** opaque (30 gloss) and satin finish (60 gloss).  
**Inflammable:** no.  
**Recommended application temperature range:** from +10°C to +35°C.  
**Pot life of mix:** 2 hours.  
**Mixing ratio:** comp. A : comp. B = 10 : 1 (in volume).  
**Maximum permitted dilution ratio (Dir. 2004/42/CEE):** 10% with clean water.  
**Sanding:** after 12 hours.  
**Painting:** after 3 hours, and within 5 hours.  
**Waiting time before putting into service:** 36-48 hours.  
**Storage:** 12 months.  
**Application:** by roller or brush.

**Consumption**  
70-90 g/m<sup>2</sup> per coat.

**Packaging**  
11 l units (A + B).

**New**

### Ultracoat PF1



**Two-component, fireproof polyurethane varnish, with class 1 fire reaction certification for wooden floors according to UNI 9796/CNVVF/CCI Standards, as outlined in D.M. 06/03/92.**

**Where to use:**

For finishes with a high resistance to wear on floors and wooden items, where class 1 fire reaction certification is required.

**Technical data:**

**Consistency:** comp. A liquid; comp. B liquid.  
**Colour:** comp. A straw yellow; comp. B straw yellow.  
**Gloss factor:** gloss (90 gloss).  
**Inflammable:** yes.  
**Recommended application temperature range:** from +10°C to +35°C.  
**Pot life of mix:** 4 hours.  
**Mixing ratio:** comp. A : comp. B = 1:1 (in volume).  
**Sanding:** after 24 hours.  
**Ready for use:** 3 days.  
**Storage:** 12 months.  
**Application:** by roller, brush or spray.

**Consumption**

150 g/m<sup>2</sup> per coat. Class 1 fire reaction certification may be obtained by applying a total of three coats of the product at 450 g/m<sup>2</sup> (equivalent to 405 ml/m<sup>2</sup>).

**Packaging**

20 l units (A + B).

# Detergents



**Mapefloor  
Cleaner ED**

**New**



**Detergent for normal degreasing operations of floors.**

**Where to use:**

Concentrated water-soluble product made of a special mixture of surface-active, low-foaming components, for cleaning greasy stains from washable surfaces and floors subject to heavy traffic.

The product may be used by hand or with mechanical cleaning means.

Use **Mapefloor Cleaner ED** at a concentration level of 1-3%. Increase the concentration according to requirements on heavily soiled surfaces.

**Technical data:**

**Consistency:** opaque liquid.

**Colour:** green.

**Inflammable:** no.

**Dilution in water:** 1-3% (100-300 g of **Mapefloor Cleaner ED** in 10 lit of water).

**Storage:** 12 months.

**Application:** by hand using a rag, or by machine.

**Consumption**

100-300 g of product per 10 lit of water.

**Packaging**

10 kg cans.



# Waxes



## Mapelux Lucida



**Shiny, metal-filled, high-resistance, double-reticulation floor wax.**

**Where to use:**

Protective treatment on parquet floors in civil environments, such as shops, showrooms, apartments and offices subject to particularly high traffic. **Mapelux Lucida** is characterised by its high resistance to traffic and frequent clearing cycles with strong detergents, and may also be employed to make maintenance operations easier. Thanks to the product's double reticulation which binds all the components, the **Mapelux Lucida** film is easy to clean, and marks and stains left by traffic may be removed by a simple washing cycle.

**Mapelux Lucida** must be applied in two criss-cross coats, to obtain good protection of the entire surface.

**Technical data:**

**Consistency:** liquid.  
**Colour:** bluish-white.  
**Inflammable:** no.  
**Application temperature range:** from +10°C to +30°C.  
**Storage:** 12 months.  
**Application:** using a wax spreader.

**Consumption**

approximately 50 g/m<sup>2</sup>.

**Packaging**

10 kg cans.



## Mapelux Opaca



**Opaque, metal-filled, high-resistance, double-reticulation floor wax.**

**Where to use:**

Protective treatment on parquet floors in civil environments, such as shops, showrooms, apartments and offices subject to particularly high traffic. **Mapelux Opaca** is characterised by its high resistance to traffic and frequent clearing cycles with strong detergents, and may also be employed to make maintenance operations easier. Thanks to the product's double reticulation which binds all the components, the **Mapelux Opaca** film is easy to clean and marks and stains left by traffic may be removed by a simple washing cycle.

**Mapelux Opaca** must be applied in two criss-cross coats, to obtain good protection of the entire surface.

**Technical data:**

**Consistency:** liquid.  
**Colour:** bluish-white.  
**Inflammable:** no.  
**Application temperature range:** from +10°C to +30°C.  
**Storage:** 12 months.  
**Application:** using a wax spreader.

**Consumption**

approximately 50 g/m<sup>2</sup>.

**Packaging**

10 kg cans.



## Abrasive products

New

### Ultracoat SR



**Abrasive mesh disks in silica carbide for sanding parquet floors.**

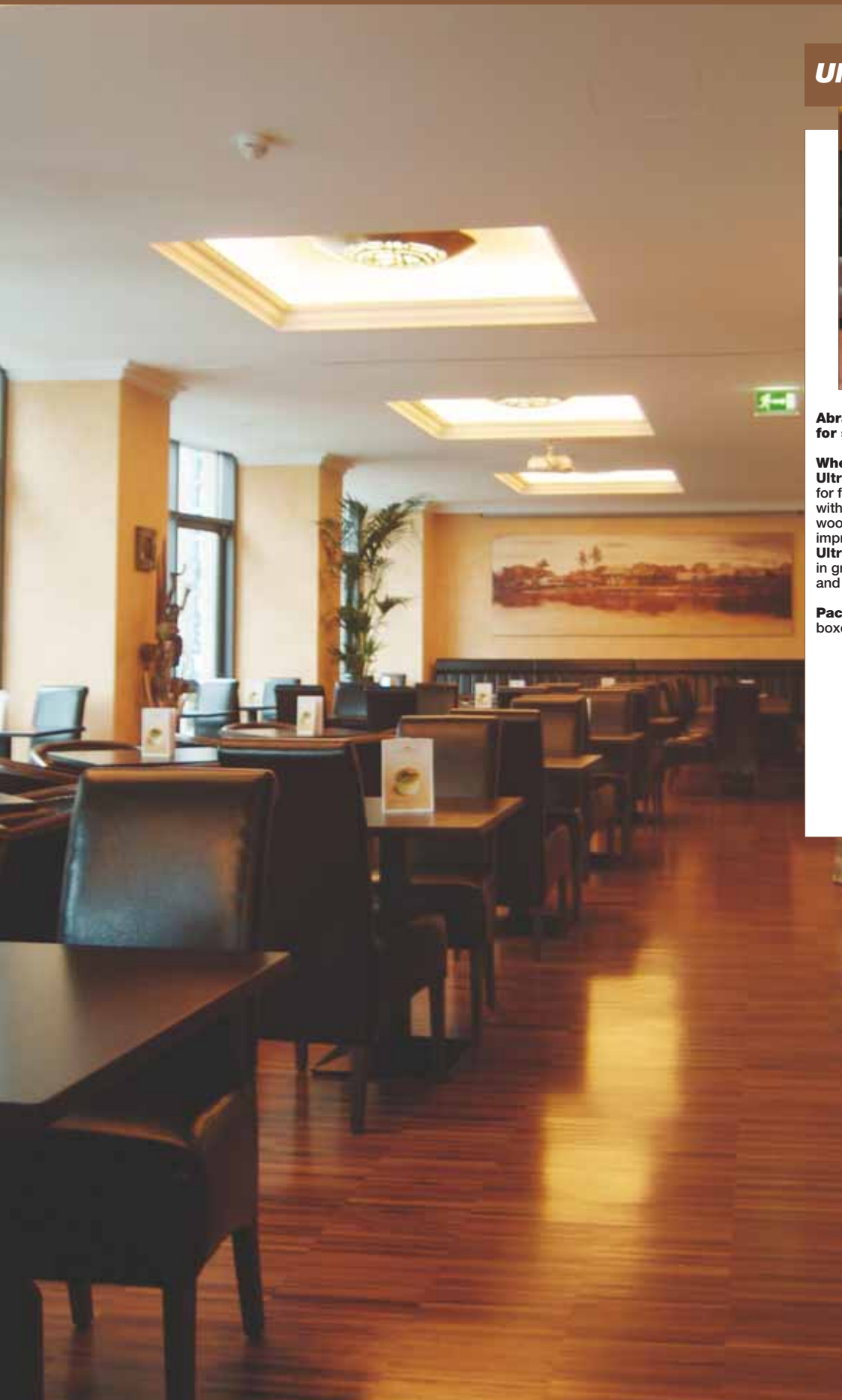
**Where to use:**

**Ultracoat SR** abrasive disks are suitable for finishing operations using a machine with a rotating head (single-disk) on rough wood, and for sanding base products, impregnating products and varnish.

**Ultracoat SR** abrasive disks are available in grades 60, 80, 100, 120, 150, 180, 220 and 320 grain size.

**Packaging**

boxes containing 20 pieces.







## Ultracoat PAD



**Pads used for polishing and cleaning parquet floors.**

**Where to use:**

According to the colour (which indicates the grain size and abrasion property), **Ultracoat PAD** disks suitable for parquet floors for cleaning, routine maintenance, polishing and waxing operations with oil and wax.

**Ultracoat PAD** disks are available in white and tan (for polishing and for applying wax and oil), red (for routine maintenance operations), green (for treating with oil and quick removal of stains and streaks) and black (for quick, thorough deep-down cleaning with a minimum of abrasion, suitable for acid products).

**Packaging**

boxes containing 5 pieces.



# Adhesives for skirting and profiles

## Ultrabond Eco 575



**High performance adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for bonding skirtings.**

### Where to use:

**Ultrabond Eco 575** can be used for bonding skirtings in stiff PVC, wood, carpet applied on the back of the skirting or directly on the wall. Apply enough on the back of the skirting or directly onto the substrate to allow the adhesive to transfer to both surfaces. Depending on the height of the skirting, apply one or more lines 5 mm in diameter.

### Technical data:

**Consistency:** creamy paste.

**Colour:** beige.

**Flammability:** no.

**Application temperature range:** from +5°C to +35°C.

**Open time:** approximately 25 minutes.

**Final hardening time:** 24 hours.

**Storage:** 24 months. Protect from frost.

**Application:** extrusion from the cartridge.

### Consumption

– 325 ml cartridge: approximately 12 m per line.

### Packaging

325 ml cartridges.



## Ultrabond P990 1K



**Ready-to-use polyurethane one-component, solvent-free, elastic adhesive for all types of wooden and laminate flooring.**

### Where to use:

Bonding of wooden skirting.

### Technical data:

**Consistency:** creamy paste.

**Colour:** beige and brown.

**Flammability:** no.

**Application temperature range:** from +10°C to +35°C.

**Open time:** 110 minutes.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** notched trowel.

### Consumption

0.3-0.4 kg per 10 m.

### Packaging

15 and 7 kg in aluminium bags contained in plastic drums.

Carton containing twenty 600 cc aluminium soft cartridges.





### **Ultrabond P997 1K T**



**Solvent-free, one-component, ready-to-use, thixotropic polyurethane adhesive for laying wooden steps.**

**Where to use:**

Laying wooden uprights treads and stairs. Also suitable for bonding wooden baseboards and for laying pre-finished, three-layered parquet with beads of adhesive:

**Technical data:**

**Consistency:** thixotropic paste.

**Colour:** ochre.

**Inflammable:** no.

**Recommended application temperature**

**range:** from +10°C to +35°C.

**Open time:** approx. 100 minutes.

**Set to light foot traffic:** after 12 hours.

**Polishing:** after 3 days.

**Storage:** 12 months.

**Application:** by extrusion.

**Consumption**

ca. 15 ml each soft cartridge.

**Packaging**

boxes containing 20 aluminium soft cartridges, each one containing 600 c.c.



# Tools



## Trowels for levelling compounds



American - 28 cm.  
Extralong - 50 cm.

## Trowels for adhesives



Normal metal notch N. 1  
Normal metal notch N. 2  
Normal metal notch N. 3  
Normal metal notch N. 4  
Normal metal notch N. 5  
Normal metal for wooden flooring

## Gun for soft-cartridges



Gun for 600 ml soft-cartridges.

## Gun for sealants



Gun for 310 ml cartridges.





### Spiked roller



Plastic roller, 23 cm wide and 8 cm in diameter with a handle.  
To be used to improve the flow of levelling compounds in thicknesses from 2 to 15 mm, to remove air bubbles and to improve the appearance of the surface of Mapei self-levelling compounds.

### Carbide hygrometer



Chemical instrument for measuring the humidity in the substrates. The water reacts with the calcium carbide inside the hygrometer. Acetylene is formed which makes the pressure rise. The water content is determined by the pressure on the manometer.

The hygrometer comes in a plastic suitcase containing:

- a steel container with a stopper and a manometer;
  - 20 glass phials containing calcium carbide;
  - 2 aluminium marbles;
  - 1 scale with support, scalepan, and 20 g and 10 g weights;
  - 1 syringe;
  - 1 small steel spoon and plate.
- 20 boxes containing glass calcium carbide phials are available.

### Electronic hygrometer



Electronic instrument that rapidly indicates the % of humidity contained in cement based screeds (A scale), Mapecem based screeds (B scale), and anhydrite based screeds (C scale).

The hygrometer is powered by 9 V batteries and comes in a case containing:

- a cable with a uniaxial connector and connecting terminals with the electrodes that are driven into the screed;
- two steel nails that are used as electrodes;
- an instruction leaflet.

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# MAPEI PRODUCT CERTIFICATIONS FOR THE INSTALLATION OF WOOD

| PRODUCTS                     |  |  |  |  |  |  |  |  |  |
|------------------------------|---|---|---|---|---|--|---|---|---|
| <b>Eco Prim PU 1K</b>        |   | ●   | ●   |   |   |  |   |   |   |
| <b>Eco Prim PU 1K Turbo</b>  |   | ●   | ●   |   |   |  |   |   |   |
| <b>Eco Prim T</b>            | ●   |   | ●   |   |   |  |   |   |   |
| <b>Fiberplan</b>             |   |   |   |   | ●   |  |   |   |   |
| <b>Mapecem Pronto</b>        |   |   |   |   |   |  |   |   | ●   |
| <b>Mapesilent Band</b>       |   |   | ●   |   |   |  |   |   |   |
| <b>Mapesilent Door</b>       |   |   | ●   |   |   |  |   |   |   |
| <b>Mapesilent Panel</b>      |   |   | ●   |   |   |  |   |   |   |
| <b>Mapesilent Roll</b>       |   |   | ●   |   |   |  |   |   |   |
| <b>Mapesilent Tape</b>       |   |   | ●   |   |   |  |   |   |   |
| <b>Nivorapid</b>             |   | ●   | ●   |   |   |  |   | ●   |   |
| <b>Primer G</b>              | ●   |   | ●   |   |   |  |   |   |   |
| <b>Topcem Pronto</b>         |   | ●   | ●   | ●   |   |  |   |   |   |
| <b>Ultrabond Eco P990 1K</b> |   | ●   | ●   |   |   |  |   |   |   |
| <b>Ultrabond Eco P992 1K</b> | ●   |   | ●   |   |   |  |   |   |   |
| <b>Ultrabond Eco S995 1K</b> |   | ●   | ●   |   |   |  |   |   |   |
| <b>Silwood</b>               | ●   |   | ●   |   |   |  |   |   |   |
| <b>Ultraplan</b>             | ●   |   | ●   |   |   | ●  |   |   |   |
| <b>Ultraplan Eco</b>         | ●   |   | ●   |   | ●   |  |   |   |   |
| <b>Ultraplan Maxi</b>        | ●   |   | ●   |   |   |  | ●   |   |   |





*PETRUZZELLI THEATRE - Bari - Italy  
Installation of wall coverings with ADESILEX MT32,  
bonding of wood with ULTRABOND P990 1K on screeds  
in TOPCEM PRONTO and ECO PRIM PU 1K*



# PRODUCTS FOR THE INSTALLATION OF WOODEN FLOORS

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