

Ultrabond P913 2K Plus

Two-component epoxy-polyurethane adhesive for installing wood flooring

WHERE TO USE

Bonding traditional and prefinished laminated and solid parquet flooring on cementitious and anhydrite screeds, old ceramic flooring, wooden block flooring; **suitable for heated screeds.**

TECHNICAL CHARACTERISTICS

Ultrabond P913 2K Plus is a two-component adhesive consisting of an epoxy-polyurethane polymer (component A) and catalysing paste (component B).

- Easy to mix.
- Excellent trowellability.
- Excellent rib stability.
- Excellent adhesion on any type of substrate.

RECOMMENDATIONS

- Transport, store and use the product at a temperature of +10°C to +30°C.
- Only mix full quantities of product. Mixing partial quantities requires a great deal of precision when weighing out the two components and any error could affect the performance properties of the product.

Preparation of the substrate

Before installing flooring, always check that the surrounding temperature and level of humidity are suitable.

- **Cementitious screeds:**
 - the residual moisture content, temperature, curing and mechanical properties of the screed must comply with current applicable standards;

- seal any cracks beforehand with a suitable product from the MAPEI **Eporip** range;
- any restoration work on the screed must be carried out with compatible MAPEI products only: **Primer MF**, **Primer MF EC Plus**, **Eco Prim PU 1K**, **Triblock**.

- **Existing ceramic tile, marble flooring etc.:** thoroughly clean and degrease before proceeding to bond. Adhesion of the flooring may be further improved by applying a coat of **Primer KL** adhesion promoter immediately prior to installation.
- **Old wooden floors:** make sure the planks of the old floor are well-bonded to the substrate. Remove any varnish or wax from the surface of the floor with sandpaper down to a bare wood finish and remove all dust with a vacuum cleaner.
- **Anhydrite substrates:** make sure the instructions of the screed manufacturer are followed. Always check whether the screed needs to be sanded and primed. MAPEI recommends sanding and priming with **Eco Prim PU 1K**, **Eco Prim PU 1K Turbo**, **Primer MF** or **Primer MF EC Plus**.

MAPEI cannot be held responsible if the instructions provided by the manufacturer are not followed correctly.

Preparing and applying the adhesive

The two components are supplied in pre-dosed plastic containers:

- component A: 9 parts in weight
- component B: 1 part in weight

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Consistency:	paste	paste
Colour: - light: - dark:	beige brown	beige beige
Density (g/cm³):	1.70	1.57
Dry solids content (%):	98	100
Brookfield viscosity (mPa·s):	30,000 (7 shaft - rpm 50)	8,000 (7 shaft - rpm 50)
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	A : B = 9 : 1	
Viscosity of mix (mPa·s):	30,000 (7 shaft - rpm 50)	
Density of mix (kg/m³):	1,660	
Pot life of mix:	60'	
Application temperature:	+10°C to +30°C	
Open time:	1 hour	
Adjustment time:	2 hours	
Set to light foot traffic:	after 24 hours	
Finishing processes:	after 3 days	
FINAL PERFORMANCE		
Adhesion (pull-out) wood-concrete (N/mm²):	> 3 (concrete failure)	
Adhesion (pull-out) wood-ceramic (N/mm²):	> 3	
Service temperature:	-30°C to +70°C	
Flexibility:	yes	
Shore A hardness (after 7 days at +23°C):	80	

Changing the dosage rates of the components affects the curing process and final performance properties of the product.

Spreading the adhesive

Apply the adhesive on the substrate using a MAPEI notched trowel for wood. The open time of the product is approx. 1 hour in normal conditions (+23°C).

INSTALLING WOOD FLOORING

When installing the flooring, press the elements down firmly to make sure the bonded side is correctly wetted by the adhesive.

When installing pre-finished parquet flooring, make sure the adhesive does not spread into the joints to avoid it staining the surface. Never apply adhesive along the sides of parquet elements.

SET TO LIGHT FOOT TRAFFIC

The floors are set to light foot traffic after approximately 24 hours.

FINISHING PROCESSES

Polishing can be carried out after a minimum of 3 days, depending on the season.

Cleaning

The adhesive may be removed while still wet with alcohol or a specific cleaning product. **For prefinished flooring, follow the instructions supplied by the manufacturer of the flooring.** Remove hardened adhesive with mechanical means or **Pulicol 2000** after checking their suitability on a small, less visible area of the surface.

CONSUMPTION

Depending on the type of substrate, 1000-1350 g/m² with a MAPEI wooden trowel. If the surface of the screed is excessively rough the consumption rate of the adhesive may be higher.

STORAGE

24 months when stored in its original packaging in a suitable storage area at +10°C to +30°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

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

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

**All relevant references
for the product are available
upon request and from
www.mapei.com**



**Ultrabond
P913 2K Plus**



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