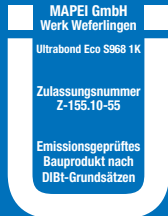




Ultrabond Eco S968 1K



One-component silylated polymer-based adhesive free of solvent content and very low emission level of volatile organic compounds (EMICODE EC1 R Plus)



WHERE TO USE

Installing all types and formats of pre-finished and solid parquet flooring on any type of substrate, including heated screeds.

TECHNICAL CHARACTERISTICS

Ultrabond Eco S968 1K is a silylated polymer-based adhesive of the latest generation:

- free of solvent content;
- hard category adhesive in compliance with EN 14293 standards;
- extended workability time;
- easy to apply and excellent rib stability;
- certified by GEV as a product with very low emission level of volatile organic compounds (EMICODE EC1 R Plus) and awarded as Blauer Engel;
- easy to remove from hands and pre-finished wood.

RECOMMENDATIONS

- Before installing flooring, make sure all rooms have windows or other suitable sealing systems.
- The screed or installation bed must comply with the requirements prescribed by applicable local standards or the technical data sheet issued by the manufacturer of the parquet.

- If the substrate does not comply with the prescribed requirements, prime the surface with **Eco Prim PU 1K**, **Eco Prim PU 1K Turbo**, **Primer MF** or **Primer MF EC Plus** to make it suitable. The requirements prescribed in the relative Technical Data Sheets must be adhered to at all times.
- The flatness of the installation bed must comply with the requirements prescribed by applicable local standards. Use **Ultraplan**, **Ultraplan Maxi** or **Nivorapid** to correct flatness or **Fiberplan** for flexible substrates (old wooden or plank flooring). The requirements prescribed in the relative technical data sheets must be adhered to at all times.
- Do not use **Ultrabond Eco S968 1K** if the temperature is lower than +10°C or higher than +35°C.
- Suitable for internal use only.

APPLICATION PROCEDURE

Preparation of the substrate

Check the substrate carefully to make sure it is fully cured, dry, flat and strong and that there is no dust or loose material or traces of oil, paint etc. on the surface.

- If the level of residual moisture is higher than the recommended limit for installing the flooring, wait until the screed is dry or apply a special waterproofing primer such as **Eco Prim PU 1K**, **Eco Prim**

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Easy to trowel



Laying of parquet

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	creamy paste
Colour:	beige
Density (g/m ³):	1.65
Dry solids content (%):	98
Brookfield viscosity (mPa·s):	42,000 (No. 7 spindle - 50 rpm)
– EMICODE: – Blauer Engel:	EC1 R Plus - very low emission RAL UZ-113 For further information refer to the Material Safety Data Sheet

APPLICATION DATA (at +23°C and 50% R.H.)

Application temperature range:	from +10°C to +35°C
Open time (formation of surface skin):	30 minutes
Adjustment time:	90 minutes
Set to light foot traffic:	12 hours
Sanding (internal areas):	3 days

FINAL PERFORMANCE

Elongation (after 28 days at +23°C and 50% R.H.) (%):	90
Shore A hardness (after 28 days at +23°C and 50% R.H.):	75
Wood-concrete adhesion strength (after 28 days at +23°C and 50% R.H.) (N/mm ²):	2.5
Wood-ceramic adhesion strength (after 28 days at +23°C and 50% R.H.) (N/mm ²):	2.3
Shear strength according to EN 14293 (after 7 days at +23°C and 50% R.H. + 20 days at +40°C + 1 day at +23°C and 50% R.H.) (N/mm ²):	3.5

PU 1K Turbo, Primer MF, Primer MF EC Plus, Triblock P, etc.

- Repair cracks with products such as **Eporip, Eporip Turbo, Epojet**, etc.
- For installation on surfaces with traces of glue or old existing smoothing compounds, or for substrates in wood marine plywood, chipboard, ceramic or natural stone, use **Eco Prim T, Eco Prim T Plus, Eco Prim VG**.
- Anhydrite substrates: check and follow the instructions of the manufacturer of the screed. Always check if the screed should be sanded and primed. MAPEI recommends sanding and priming with **Eco Prim PU 1K, Eco Prim PU 1K**

Turbo, Primer MF and Primer MF EC Plus. MAPEI declines all responsibilities if all the screed manufacturer's recommendations have not been followed. In case of doubt do not hesitate to contact your local MAPEI's Technical Services Department.

- Use one of the MAPEI special hydraulic binders to make rapid-drying, shrinkage-compensated screeds: **Mapecem** or **Mapecem Pronto** which allow flooring to be installed after 24 hours or 4 days, respectively.
As an alternative use **Topcem** or **Topcem Pronto**, or a ready-to-use, pre-blended mortar that allows wooden flooring to be installed after 4 days. Follow the instructions contained in the relative technical data sheet.

Spreading the adhesive

Spread the adhesive on the substrate using a MAPEI notched trowel according to parquet size and proceed to the application by and no later than 30 minutes.

Installing parquet - pre-finished and solid

Before installing the flooring, make sure it complies with local applicable standards and read the instructions in the technical data sheet issued by the manufacturer of the flooring carefully.

When bonding the flooring press down well so that at least 70% of the back of the parquet is buttered. Install the flooring according to local applicable installation standards.

Sealing containers of partially used adhesive

In order to conserve remains of the product upon completion of work, make sure the drum is closed correctly and, the next time it is used, remove the layer of hardened adhesive from the surface and proceed as above.

SET TO LIGHT FOOT TRAFFIC

Solid and pre-finished wooden floors set to foot traffic after approximately 12 hours.

SANDING

Solid wooden floors may be sanded after approximately 3 days. Residues of adhesive on the surface of pre-finished parquet are easy to clean off with **Cleaner L**.

Cleaning pre-finished flooring

Ultrabond Eco S968 1K may be removed within around 30/40 minutes with a dry cloth before it sets. **Cleaner L** may also be used but only after trying it on a piece of the flooring prior to installation once hardened, please consult MAPEI Technical Services Department.

CONSUMPTION

800-1200 g/m².

PACKAGING

15 kg plastic drums.

STORAGE

12 months in its original, well-sealed packaging stored under normal conditions. When transported over long distances, thermally insulated containers may be required.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultrabond Eco S968 1K is not considered as dangerous according to the current regulation regarding the classification of mixtures. We recommend the use of protective gloves and

goggles and to take the usual precautions for handling chemical products.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

Keep out of reach of children. Ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. In case of contact with eyes or skin rinse immediately with plenty of water. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Only properly emptied containers may be recycled. Dried product residues can be disposed of as normal household waste. Product preservative-free. Methanol separates during hardening. Wear protective gloves. For information for allergic people, please call at +39/02/37673.1.

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



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.



"Der Blaue Engel" is a German mark of ecological quality used to identify products which respect the environment, contractors and end users. MAPEI products carrying this logo have been tested according to strict criteria defined by the German standard RAL-UZ 113 and, because they are all with very low emission of volatile organic compounds, also offer advantages for the environment and public wellbeing.



Our Commitment To The Environment
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

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



Laying parquet



Laying parquet



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Eco S968 1K**



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