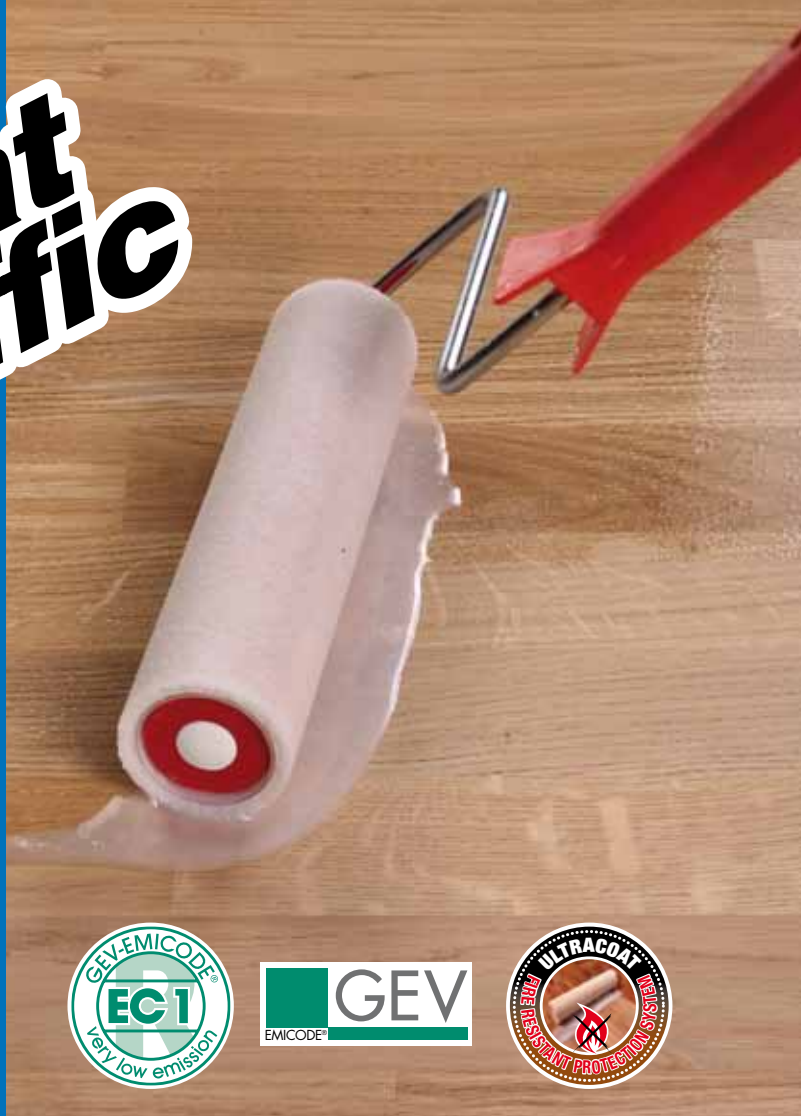




MAPEI

Ultracoat High Traffic

Two-component, water-based, 100% polyurethane varnish with high resistance to wear and abrasion for wooden floors, (EMICODE EC1 R) with very low emission of volatile organic compounds and no NMP. Suitable for floors subject to extremely high foot traffic



WHERE TO USE

Highly protective, wear and abrasion-resistant finish for solid and pre-sanded wooden floors and wooden floors requiring repair. Suitable for use in civil and commercial environments, including those subject to extremely high foot traffic (public offices, shopping centres, airports, exhibition halls, etc.).

TECHNICAL CHARACTERISTICS

Ultracoat High Traffic is a two-component, water-based varnish formulated with 100% aliphatic (non-yellowing) polyurethane resins, characterised by an excellent level of resistance to abrasion and scuff marks from rubber-soled shoes never previously achieved with other water-based products. It also gives parquet floors an attractive "natural wood" finish (10 gloss). Floors treated with this varnish have a natural, even finish, and their cleanability is very similar to that of impregnation cycles with oil and wax. If applied directly without a base product, it considerably enhances the colour of the parquet and does not yellow over the years.

Ultracoat High Traffic is available in 10 gloss - 30 gloss - 60 gloss.

RECOMMENDATIONS

- Do not use **Ultracoat High Traffic** at temperatures lower than +10°C.
- Do not use on external surfaces.
- Use only clean containers and tools.
- On types of wood with a high content of extracts, we recommend checking that the product is compatible

or applying **Ultracoat Universal Base** or **Ultracoat Premium Base** as a first coat.

- Completely remove all traces of previous treatments in order to obtain an even finish.
- Protect treated surfaces from direct sunlight and draughts for the first 3 hours after application.
- Leftovers of the product must not be put back into its container. Partially-used containers must not be stored for very long.
- At high temperatures, we recommend diluting the product with 10% water or with **Ultracoat EL** (Dir. 2004/42/EEC).

Protect from freezing weather. For transport at low temperatures, use vehicles with temperature-controlled units.

Preparation of the product

Shake component A before use, insert the filter in the cap of the can and pour the product into the special basin.

At high temperatures, dilute the product with up to a maximum of 10% clean water or **Ultracoat EL** (Dir. 2004/42/EEC). Add component B at a ratio of comp A : comp B = 10 : 1 (in volume) and mix thoroughly until completely blended. Apply the mix within 2 hours of blending.

If only a part of component A is used, remove the filter before closing the can and rinse it thoroughly with clean water.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	comp. A	comp. B
Consistency:	milky liquid	liquid
Colour:	off-white	transparent
Density of Ultracoat High Traffic 10 gloss (g/cm³):	1.045 ± 0.005	1.075 ± 0.005
Density of Ultracoat High Traffic 30 gloss (g/cm³):	1.040 ± 0.005	1.040 ± 0.005
Density of Ultracoat High Traffic 60 gloss (g/cm³):	1.038 ± 0.005	1.038 ± 0.005
EMICODE:	EC1 R - very low emission	
APPLICATION DATA (at +23°C - 50% R.H.)		
Viscosity of Ultracoat High Traffic 10 gloss:	47 ± 1 sec. (Ø 3 Ford cup)	
Viscosity of Ultracoat High Traffic 30 gloss:	45 ± 1 sec. (Ø 3 Ford cup)	
Viscosity of Ultracoat High Traffic 60 gloss:	45 ± 1 sec. (Ø 3 Ford cup)	
Dust dry:	25 min.	
Touch dry:	40 min.	
Maximum permitted dilution ratio (Dir. 2004/42/EEC):	10% with clean water	
Buffing:	after 12 hours	
Varnishing (without buffing):	after 2 hours and within 5 hours	
Ready for service:	36-48 hours	
FINAL PERFORMANCE		
Bonding (checker-work) Önorm C 2350:	1	
Abrasion resistance (Taber test - 1000 revs, 1000 g, CS10 disk):	10 mg	
Chemical resistance Önorm A 1605-12:	1 B	
Elasticity Önorm C 2354:	C	
Reaction to fire classification In combination with Ultracoat Premium Base:	B _{fl} -s1 - C _{fl} -s1	
Gloss factor:	(10-30-60 gloss)	

APPLICATION PROCEDURE

Sand wooden floors with coarse and medium-grained sandpaper and remove all traces of dust with a vacuum cleaner. Grout cracks and irregularities in the surface with **Ultracoat Aqua Plus** or **Ultracoat Binder**, according to the instructions contained in the product's relative Technical data Sheet. Remove all traces of dust after buffing. Apply a first, even coat of **Ultracoat High Traffic** or a base coat of **Ultracoat Universal Base** or **Ultracoat Premium Base** with a roller (**Ultracoat Roller Plus**). If **Ultracoat High Traffic** is used for the first coat, buff the surface after 8 hours with an **Ultracoat SR 180/220** abrasive disk. If a base coat of **Ultracoat Universal Base** or **Ultracoat Premium Base** has been applied, proceed according to the instructions contained in the product's relative Technical data Sheet. Then carefully remove all traces of dust and apply the second coat of **Ultracoat High Traffic**. If a three-layer cycle is required, apply the final coat after **at least 2 hours and within 5 hours without buffing**. If successive coats are applied after more than 5 hours, buff the surface again prior to application. For application with a spray gun, dilute with up to 10% water if necessary.

Cleaning

Clean tools and remove residues of **Ultracoat High Traffic** with water while the product is still fresh. Once hardened, the product may only be removed mechanically.

CONSUMPTION

First coat 80-100 ml/m²; successive coats 50-70 ml/m².

PACKAGING

5.5 litre kits (A+B).

STORAGE

12 months in its original, sealed packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultracoat High Traffic component A is not considered hazardous according to current norms and guidelines regarding the classification of mixtures.

Ultracoat High Traffic component B may

irritate the respiratory apparatus and may cause sensitisation if it comes into contact with the skin. When applying the product, we recommend using protective clothing, gloves and safety goggles and to work only in well-ventilated areas. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.

It is also hazardous for aquatic life, do not dispose of it in the environment.

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

PRODUCT FOR PROFESSIONAL USE.

WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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.



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



**Ultracoat
High Traffic**