

# Ultracoat Binder

**Solvent-free, water-based binder with no NMP mixed with sawdust from any type of wood, including Merbau, for grouting wooden floors. Suitable for Ultracoat water-based varnishing cycles and Ultracoat Oil**



## WHERE TO USE

Grouting and preparing solid and pre-sanded wooden floors and wooden floors requiring repair.

## TECHNICAL CHARACTERISTICS

**Ultracoat Binder** is a one-component, water-based binder used to make grout for water-based finishing systems and **Ultracoat Oil**.

Its extremely high wetting properties, low viscosity and high binding power allow grout with a high content of residual solids to be obtained, characterised by its excellent, extended workability. Leftover grout may be stored for a number of days in a sealed plastic drum without losing its trowelability characteristics. When **Ultracoat Binder** is blended with sawdust, it has excellent adhesion and filling properties and is easy and quick to sand down.

**Ultracoat Binder** is solvent-free and contains no NMP (N-methyl-pyrrolidone).

## RECOMMENDATIONS

- Floors sealed with grout containing **Ultracoat Binder** may only be treated with water-based primers and varnishes and with **Ultracoat Oil**.
- Do not store or use **Ultracoat Binder** at temperatures lower than +10°C.
- Do not apply on external surfaces.
- Use only clean containers and tools.
- **Always use an Ultracoat Steel Spatula or a plastic spreader to apply the Ultracoat Binder mix to avoid discolouring any tannins present in the wood.**
- Protect from freezing weather. For transport at low temperatures, use vehicles with temperature-controlled units.

## APPLICATION PROCEDURE

### Preparation of the substrate

Sand the wooden floor with sandpaper to obtain a surface suitable for a finishing treatment of water-based varnish or oil from the **Ultracoat** range. After preparing the floor, thoroughly clean the surface.

The level of humidity in the wood must be according to current norms and standards.

### Preparation of the product

Prepare the grout by mixing **Ultracoat Binder** with sawdust obtained from sanding operations at a ratio of 100 parts in weight of **Ultracoat Binder** with 20 parts in weight of sawdust to form a smooth, homogenous paste. Modify the mixing ratio according to the size of the cracks to be filled.

We recommend mixing in a container to get a better blend and better rheology.

### Application of the product

Seal the floor by applying grout made with **Ultracoat Binder** over the entire surface with a stainless steel trowel, an **Ultracoat Steel Spatula** or a plastic spreader, forcing as much grout as possible into the cracks. Do not leave large residues of grout on the surface, they require a long time to dry out. The average waiting time before buffing is 1 hour, and this time varies according to the size of the cracks and the surrounding conditions. When dry, sand the surface a final time with an **Ultracoat SR 100** abrasive disc or a belt sander with 100/120 grade sandpaper. When grouting floors made from small parquet blocks (such as mosaic) or with cracks wider than 1-2 mm, a second layer of **Ultracoat Binder** may be required once

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Mixing of Merbau powder with Ultracoat Binder



Mixing of Ultracoat Binder



Mixing and use

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

Consistency:	liquid gel
Colour:	transparent
Density (g/cm <sup>3</sup> ):	1.0
Brookfield Viscosity (mPa·s):	8000-10000

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

Application temperature range:	from +10°C to +35°C
Buffing:	after approx. 1 hour
Varnishing:	after 100-120 mins. with water-based varnishing cycles

the first layer has hardened. The second layer of grout may be applied either before or after buffing.

#### Cleaning

Clean tools and remove residues of **Ultracoat Binder** with water while the product is still fresh. Once hardened, remove the product mechanically and with water.

#### CONSUMPTION

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

#### PACKAGING

5 litre tanks.

#### STORAGE

12 months in its original packaging in a dry place.

#### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Ultracoat Binder** is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. We recommend using 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 our latest version of the Material Safety Data Sheet.

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](http://www.mapei.com)



**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



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