



# Ultracoat LS

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



## WHERE TO USE

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

## TECHNICAL CHARACTERISTICS

**Ultracoat LS** is a single component, nitro-cellulose based binder with special resins in solvent which dries in the open air, used to prepare grout to seal wooden floors.

It's extremely high wetting properties, low viscosity and high bonding capacity form a grouting mix with a high content of residual solids, while being characterised by low viscosity which makes it easy to penetrate into the cracks to be sealed.

When **Ultracoat LS** is blended with sawdust, it has excellent bonding and filling capacities and is easy and quick to sand down.

When **Ultracoat LS** is completely dry, its high bond strength on the edges of wooden elements and high flexibility guarantees a tough, flexible seal which is easy to sand down and which is suitable for commonly used base products and varnishes. With such characteristics, **Ultracoat LS** is also suitable for large cracks.

## RECOMMENDATIONS

- Do not dilute **Ultracoat LS** with solvents, and do not mix it with other products.
- Do not use **Ultracoat LS** at temperatures lower than +10°C.
- Do not use on external surfaces.
- Before use, acclimatise the product to the temperature of the area where it is applied.
- Use only clean containers and tools.

- Check that the product is compatible (colour, oil, resin and other substances) with wood rich in extracts.
- Environmental conditions and residual humidity in the wood when it is laid must conform to current norms and standards.
- Do not smoke. Keep away from naked flames and sparks. Ventilate rooms after application.

## APPLICATION PROCEDURE

### Preparation of the substrate

Sand the wooden floor with medium and large-grained sandpaper to obtain a surface which is smooth and free of oil, grease, wax, silicone and old varnish. Before applying grout prepared using **Ultracoat LS**, vacuum off all dust.

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

### Preparation of the product

Prepare the grout by mixing **Ultracoat LS** with the sawdust given off during sanding (mixing ratio **Ultracoat LS**: sawdust = 3-5 : 1) until a smooth paste is obtained. The thixotropic consistency of the grout depends on the size of the defects to be filled, or if the floor is pre-sanded or a floor requiring repair.

### Application of the product

Seal the entire surface of the floor by applying the grout prepared using **Ultracoat LS** with a stainless steel or plastic trowel, forcing as much grout into the cracks as possible. Force as much product as possible into large cracks. The average waiting time before sanding is 30 minutes, and this time varies according to the size of the cracks and the surrounding environmental

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## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

<b>Consistency:</b>	liquid
<b>Colour:</b>	brown
<b>Density (g/cm³):</b>	0.875
<b>Viscosity (Ø 6 pot):</b>	30 sec.
<b>Storage:</b>	2 months
<b>Hazard classification according to EC 1999/45:</b>	irritant, highly inflammable. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
<b>Customs class:</b>	3208 90 99

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

<b>Application temperature range:</b>	from +10°C to +35°C
<b>Sanding:</b>	after approx. 30 minutes
<b>Varnishing:</b>	after 30 minutes

conditions. Once dry, sand the surface using **Ultracoat SR 120** mesh.

### Cleaning

Tools and residues of **Ultracoat LS** may be cleaned with **Pulicol** while the product is still fresh. Once hardened, the product must be removed mechanically.

### CONSUMPTION

100-120 g/m² per coat.

### PACKAGING

10 litre drums.

### STORAGE

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

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Ultracoat LS** irritates if it comes into contact with the eyes, and may also cause drowsiness or giddiness. We recommend using protective goggles and clothing when handling and applying the product, and that the areas where it is applied are well ventilated. It is also highly inflammable, keep away from naked flames and sources of heat. Further information is available in the product's 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.*



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