



INTERIOR



ULTIMAFLOOR®

HIGH PERFORMANCE FLOOR VARNISH (2 PACK)

Product description

ULTIMAFLOOR® is a two pack waterborne polyurethane acrylic resin finish that belongs to the new generation of environmentally friendly, water-based products. Quick drying and odourless, with a matt finish, ULTIMAFLOOR® has exceptional resistance to both mechanical and chemical abrasion making it ideal for areas subject to severe wear such as sports halls, hotels, offices and classrooms. ULTIMAFLOOR® can be applied to all wood types including exotic hardwoods and gives long lasting protection to all wooden floors, while enhancing and maintaining the wood's natural colour and beauty.

Properties

- High quality 2 pack polyurethane acrylic varnish with hardener.
- High solid content.
- Protects, maintains and enhances the natural colour and beauty of the wood.
- Easy to use. Quick drying.
- Exceptional mechanical and chemical resistance, including ammonia based products.
- Colourless, Odourless, Non-slip.
- Non-yellowing and resistant to light.
- Protects and enhances staircases, parquet flooring, veneered flooring...
- UFL* Hardener - Odourless and colourless
- May be applied over previously solvent or waterborne varnished surfaces.

Basic uses

- All wooden floors, new and old including parquet flooring, veneered (engineered) flooring and staircases.
- All soft and hardwoods including exotic hardwoods.
- Ideal for:
 - **Heavy traffic:** corridors, stairs, dining rooms...
 - **Severe traffic:** offices, classrooms, restaurants, museums, entry halls, hotels and others areas subject to aggressive environmental acids (food, cleaning products...).

Technical data

	ULTIMAFLOOR®	DURCISSEUR UFL*
Finish	Matt	
Vehicle Type	Polyurethane acrylic resin	Aliphatic Polyisocyanates
Solvent Type	Water	Solvent
Viscosity	Fluid	Half-Fluid
Specific Gravity (at 20°C)	1.05 ± 0.05	1.08 ± 0.05
Physical State	Liquid	Liquid
Solid Content	35% ± 2	69% ± 2
pH	7 to 7.5	N/A
Flash point	Non-flammable.	65°C
Resistance to wear (Taber Abraser)	Dry film loss = 16.3 mg	
Sensitivity to domestic products	Very good	
Shelf Life	1 year in its original unopened container	6 months in its original unopened container
Container Size	4 L	400 ml
Colour	Colourless	Colourless

Drying (data at +20°C and 50% relative humidity):

- Dust dry: 2 hours.
- Touch dry: 3-4 hours.
- Sandable: 5 hours.
- Re-coat: 5-12 hours.
- Normal use: 24 hours.
- Intensive use: 2 weeks.
- Final hardness: 2 weeks.

VOC: EU limit value for this product (cat. A/g): 140 g/l (2010). This product contains max 51 g/l VOC.

Application tools

High quality synthetic brush.
10 mm (3/8 inch) Medium pile synthetic roller (Polyamide or Polyester).
A high speed helical mixer/paddle should be used for mixing ULTIMAFLOOR® and DURCISSEUR UFL* Hardener.
Note: The same brush and roller can be used for both PRIMAFLOOR®* and ULTIMAFLOOR®.

Good application practice

- Protect everything that does not have to be coated.
- Remove all furniture and furnishings.
- Remove plants and flowers. Remove or cover fish tanks.
- Compatible with wood that has previously been treated with TMU 84*.
- Do not dilute.
- Do not apply at an ambient air and wood temperature of less than 15°C or greater than 25°C.
- Only apply ULTIMAFLOOR® to wood surfaces whose moisture content is 15% or less.
- Never sand primed or stained wood prior to applying finishing coat.
- In all cases, comply with the applicable standards.
- To avoid product drying too fast do not open windows during application of ULTIMAFLOOR®.

Surface preparation

General directions:

Surfaces must be dry, clean, free of dirt, grease and other surface contamination including previous coatings. ULTIMAFLOOR® can only be applied to bare wood surfaces or wood surfaces previously finished with ULTIMAFLOOR® or a solvent or waterborne floor varnish in good condition. ALL other finishes MUST be completely and thoroughly removed. Always clean meticulously with a vacuum cleaner after each sanding, including any dust traps (skirting, radiators, pipes, window sills, etc). Sand wooden floor using appropriate system and abrasive grades, depending on condition of surface and wood species. Cracks of 2 mm wide or less should be filled with LIANFLOOR®* and sanding resumed with 80 or 100 grit paper depending on the last grit used. Finish with finishing grade up to grit No. 120 or 150 depending on the wood species and thickness of wear layer. If required treat new or old bare wood with TMU 84* to protect against fungal attack and blue stain. Prime all bare wood surfaces with PRIMAFLOOR®*.

Sanding grades
(change only one sanding grade at a time):

Coarse grades			Medium grades			Finishing grades			
24	30	36	40	50	60	80	100	120	150

New wood surfaces:

Degrease surface with denatured alcohol, acetone or similar solvent based product. Prepare and sand surface as instructed in "General directions" above.

Previously treated surfaces (oiled or polished):

Previously oiled or polished surfaces should be dry stripped with CDKP® 90*. After stripping degrease surface with with denatured alcohol, acetone, white (mineral) spirit or similar solvent based product. Prepare and sand surface as instructed in "General directions" above.

Previously varnished surfaces in good condition:

Clean floor meticulously with SPACENETT®*. Repeat procedure if required. Sand surface with grit No 100 or 120 to remove surface imperfections and dull existing finish. Meticulously vacuum surface.

Previously treated surfaces in poor condition:

Remove existing finish by sanding or stripping with CDKP® 90*. After stripping degrease surface with with denatured alcohol, acetone, white (mineral) spirit or similar solvent based product. Prepare and sand surface as instructed in "General directions" above.

Mixing instructions

Stir ULTIMAFLOOR® thoroughly before adding DURCISSEUR UFL* Hardener. **Do not shake.**
Note: If product is shaken, allow to stand for 2 hours before adding DURCISSEUR UFL* Hardener. Add 1 part DURCISSEUR UFL* to 10 parts ULTIMAFLOOR®. Carefully mix the two products, for a minimum of 2 minutes. Leave to stand for 5 minutes. Use mixed product within 4 hours.

Application

- Facing the light and starting opposite the door so as to work towards it, apply a first even and generous coat of ULTIMAFLOOR®. Always maintain a wet edge to avoid overlaps.
- Start with a brush at the edges, and then do the remaining surface with a roller, working in areas of 2 m by 2 m.
- Do 3 criss-cross passes in one application.
- Allow to dry for 5 hours depending on the ambient conditions.
- Sand floor (grit No. 150 to 180) to dull the surface and aid adhesion of the 2nd coat.
- Apply 2nd coat of ULTIMAFLOOR®. Do not leave more than 12 hours between application of the 1st and 2nd coat.

Recommendations after application

- Wait at least 48 hours before replacing any furniture. Protect base of feet with soft pads.
- DO NOT cover varnished floors with carpets or protective covers for a minimum of 15 days after application of ULTIMAFLOOR®.

Coverage

6-7 m²/l per coat
Actual coverage will vary depending on method of application, texture and porosity of surface.

Cleaning and Maintenance

Cleaning:

- Regularly clean the floor with a brush or vacuum cleaner.
- For the first 15 days, ULTIMAFLOOR® may be cleaned with SOAPCLEAN®* and a **very well wrung out** mop, there after clean with SOAPCLEAN®* in the normal manner.
- DO NOT clean ULTIMAFLOOR® with SPACENETT®* for at least 15 days after application.

Maintenance:

- Total restoration
- Clean floor meticulously with SPACENETT®*.
 - Sand the area with a fine grade abrasive (grit No 150).
 - Clean meticulously with a vacuum cleaner.
 - Apply 1 or 2 coats of ULTIMAFLOOR® as required, to protect and restore the look of the floor.

Clean-up

Water.

Storage

Store away from frost and high temperatures.

General information

Every care is taken to ensure that the information provided in this technical data sheet is accurate. **OWATROL International** is unable to guarantee results as we have no control over the conditions under which our products are applied. For further advice and information please contact our technical department by email at info@owatrol.com or the local OWATROL Agent for your country. The information above is correct at the date of issue. All other OWATROL products named in this document, should be used as per label instructions and the technical data sheet.

Safety

Keep out of the reach of children. Do not breathe vapours. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.
MSDS available at www.owatrol.pro

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* Same manufacturer