

Product information: UV-Protection-Oil

Wood enhancement for exterior - satin-matt - clear

Product description

Osmo UV-Protection-Oil is a satin-matt, clear finish for exterior. It is based on natural oils, is microporous, and does not crack, flake, peel or blister.

When used as a final finish after staining wood, Osmo UV-Protection-Oil prolongs the renovation time significantly. As a stand alone finish, with two coats, it prolongs the greying process on vertical surfaces by UV-Protection factor 12 in comparison to untreated wood. Easy to renew, no sanding or primer necessary. Easy to apply, will not dry during application.

Product based on natural oil

Osmo UV-Protection-Oil is based on natural vegetable oils. Natural oils penetrate deeply into the wood, keeping it elastic and healthy, and preventing it from drying and becoming brittle. The wood is allowed to breathe. Moisture can evaporate. Shrinking and swelling are reduced.

Health and environment

Osmo UV-Protection-Oil does not contain biocides or preservatives. It is safe for humans, animals and plants when dry (complies with German DIN 53160 (fast to perspiration and saliva) and EURO-Norm EN 71.3 (suitable for children's toys)).

The principle of Osmo to manufacture and supply only products which are safe and environmentally friendly during production as well as for application resulted in the successful certification according to DIN EN ISO 9001:2000 (quality management) and DIN EN ISO 14001 (environmental management).

Recommended use

For all vertical exterior woods (dimensionally and non-dimensionally stable): doors, windows and windowsills, carports, timber cladding, balcony, screens & fences, pergolas, garden houses and furniture.

Number of coats required

1 coat = final finish

2 coats = complete finish

Can sizes

0.75l ; 2.5 l; 10 l; 25 l

Coverage

1 l = approx. 16 m² (1 coat smooth wood)

1 l = approx. 12 m² (2 coats smooth wood)

Stripped and rough sawn wood need more material because of their surface structure.

Surface preparation: Wood surface must be clean, dry and frost-free (maximum moisture content 20%). Osmo UV-Protection-Oil is ready to use, please do not thin, stir well before use. Clean old open-porous finishes thoroughly. Remove old varnishes. Please do not sand even surfaces finer than P120. We recommend to apply a first coat with a pigmented oil such as One Coat Only, Natural Oil Wood Stain or Country Colour. If additional protection against blue stain, rot and mildew is required for outdoors pre-treat (if possible from all sides) with Osmo Base Coat WR*

(*Use biocides safely. Always read the label and product information before use)

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Methods of application

Apply thinly and evenly along the wood grain with either an Osmo Natural Bristle Brush or the Osmo Microfibre Roller, and spread well.

Allow for good ventilation whilst drying. Apply a second coat as before. When applying on an already pigmented surface or when renovating 1 coat of the UV-Protection-Oil is enough. Make sure that the surface has been cleaned upfront. The finish is – among other things – influenced by the wood's natural characteristics, therefore a trial application is required before finishing.

Corrosion

In general the use of galvanised, non-oxidising nails and fasteners is recommended.

Cleaning of tools

With Osmo Brush Cleaner (benzene-free), Code: BCTC1.

Drying time: approx. 12 hours (normal climatic conditions, 23°C /50%, normal humidity). Lower temperatures and/or high humidity can increase the drying time.

Renovation

Depending on the level of weathering apply 1 coat of Osmo UV-Protection-Oil after approx. 3-4 years on the cleaned and intact finish. In general, one has to take a shorter renovation time into account when surfaces are exposed to extreme weathering, and surfaces where water cannot drain (horizontal surfaces) such as deckings, post caps, windowsills and garden chairs (furniture). If, however, the greying process has already begun revive the surface with the Osmo Wood Reviver and re-apply 2 coats of the Osmo UV-Protection-Oil.

Note

Depending on the level of weathering apply 1 coat of Osmo UV-Protection-Oil after approx. 3-4 years on the cleaned and intact finish. In general, one has to take a shorter renovation time into account when: 1. surfaces are exposed to extreme weathering, 2. using exotic wood species, 3. surfaces where water cannot drain (horizontal surfaces) such as deckings, post caps, garden chairs (furniture) and windowsills.

The UV-Protection-Oil is unsuitable as a stand alone finish for deckings.

There should be a minimum 15 degree angle on architectural joinery on the horizontal. Sharp edges have to be rounded (corner radius > 2 mm).

If the greying process has already begun revive the surface with the Osmo Wood Reviver and re-apply 2 coats of the Osmo UV-Protection-Oil. In order to achieve UV factor 12, it is very important to apply the UV-Protection-Oil twice. When only 1 coat has been applied on an untreated wood, the durability will be reduced significantly.

Owing to the high oil content the clear UV-Protection-Oil shows a light yellowing effect when used as a final finish on white stained surfaces. Therefore, we recommend using the Natural Oil Woodstain 900 white as a final finish for already white stained surfaces.

Oil enhances the natural tone of wood (wet look).

Advice:

Damage caused during installation (fixing holes/cut edges) and other surface damages e.g. cracks should be treated immediately with two coats. These areas will grey quickly if left untreated.

Storage

Shelf -life is 5 years or more if can is tightly closed. If thickened by frost, it will regain its consistency under normal temperatures within 26 – 36 hours.

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Ingredients

Based on natural vegetable oils (sunflower- and soyabean oil), siccatives (drying agents) and additives. Disaromatized white spirit (benzene-free). This product fulfils EU-regulation (2004/42/EC) according to the VOC limit value of max. 400 g/l (Kat. A/e (2010)).

Technical data

Specific gravity (Density): 0.9 - 1.0 g/cm³

Viscosity: 70-100 s, 4 mm according to DIN 53211

Odour: low/mild, odourless after drying

Flashpoint: over 55°C (VbF A III) according to DIN 53213

Caution: Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Contains 2-butanone oxime and cobalt carboxylate. May produce an allergic reaction. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas.

Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition). Safety data sheet available for professional user on request.

For more information see our brochures

*The above information is given to the best of our knowledge but without liability.
(dated 08/2010)*