



UV-PROTECTION-OIL EXTRA

Optimal protection from the sun – the first clear oil-based UV-protection for exterior use!



420 Clear
Satin



PRODUCT DESCRIPTION

Clear, satin oil-based UV protection finish for exterior wood.

Microporous, allows the wood to breathe and reduces swelling and shrinking. Water-repellent, does not crack, peel or flake.

As a top coat on treated wood, the Osmo UV-Protection-Oil Extra increases the intervals between necessary renovations significantly.

As a stand-alone finish, with two coats, it prevents the greying process on vertical surfaces through a UV-Protection factor 12 in comparison to untreated wood. Easy to renew, no sanding necessary. Easy to apply, will not dry during application.

The paint contains active ingredients to prevent the coating from mildew-, algae- and fungus attack.

RECOMMENDED USE

Osmo UV-Protection-Oil Extra is suitable for all vertical exterior woods: Doors, windows and window shutters (dimensionally stable), carpports, wooden claddings, balconies, gates, pergolas and summer houses (non-dimensionally stable). It can be used as a clear stand-alone finish or as final coat on other Osmo exterior finishes. It is also suitable for bamboo fences.

INGREDIENTS

Based on natural vegetable oils (sunflower oil, soya oil, thistle oil and linseed oil), siccatives (drying agents) and additives, biocidal active agent: Propiconazole. Disaromatized white spirit (benzene-free). This product fulfils EU-Regulation (2004/42/EC) according to the VOC-content of max. 400 g/l (Cat. A/e (2010)). Detailed declaration of ingredients upon request.

TECHNICAL DATA

Specific gravity: 0.9-1.0 g/cm³

Viscosity: >50s DIN EN ISO 2431/3 mm, viscous

Odour: Faint/mild, odourless after drying

Flashpoint: >60 °C according to DIN EN ISO 2719

STORAGE

Up to 5 years and more if can is kept dry and is tightly closed. If thickened by frost, store 24-36 hours under room temperature before usage.

SURFACE PREPARATION

Wood surface must be clean, dry and frost-free (moisture content max. 20 %).

Fresh wood, containing natural wood ingredients and especially hardwood needs to weather off for approximately 6 weeks after installation. This way the wood becomes optimally absorbent and the wood finish adheres well.

We recommend a base coat with a coloured finish, e.g. Osmo One Coat Only, Natural Oil Woodstain or Country Colour.

Osmo UV-Protection-Oil extra is ready to use, please do not thin. Stir well before use.

Old micro-porous stains need to be cleaned. Old paints and lacquers must be removed. For sanding works generally wear a dust mask.

If the greying process has already begun, clean and revive the surface with Osmo Wood Reviver Power-Gel.

The finished surface is, among other things, influenced by the wood's natural characteristics. Basically, a trial application is required, especially for unfamiliar surfaces.

If additional protection against blue stain, rot and mildew is desired, pretreat the wood if possible on all sides with Osmo WR Base Coat*.

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

METHODS OF APPLICATION

Apply thinly with the Osmo Natural Bristle Brush or Osmo Microfibre Roller and streak well, following the wood grain.

Allow for good ventilation whilst drying.

Then apply a second coat.



To recoat an already coloured surface or in case of renovation 1 application on dry and clean wood is enough.

CLEANING OF TOOLS

With Osmo Brush Cleaner (free from aromatic compounds).

DRYING TIME

Approx. 12 hours (for standard atmosphere, 23 °C/50 % relative humidity). Lower temperatures and/or higher air humidity can increase the drying time.

COVERAGE

Approx. 18 m² with one coat per litre.

Product coverage depends significantly on the character of the wood. All information refers to smooth and planed/cut surfaces. Other surfaces may lead to reduced coverage.

NOTE

For renovation purposes intact finishes, subject to the weather side, should be cleaned after approx. 3-4 years and re-finished 1 x with the Osmo UV-Protection-Oil Extra.

For areas extremely exposed to the weather, as well as vertical surfaces, where water is not allowed to drain, e.g. post caps, window benches, please calculate with significantly shorter intervals of renovation. There should be a minimum 15 degree angle on architectural joinery on the horizon. Sharp edges have to be rounded (corner radius <2 mm).

If the greying process has already begun, revive the surface with Osmo Wood Reviver Power-Gel and re-apply 2 coats of the Osmo UV-Protection-Oil Extra.

In order to achieve UV-protection factor 12, it is necessary to apply the UV-Protection-Oil Extra twice. With only 1 coat on untreated wood, the durability is significantly shorter.

Owing to the high oil content, clear UV-Protection-Oil Extra shows a light yellowing effect when used as a finish on white stained surfaces. Therefore, we recommend using the Natural Oil Woodstain 900 White as a top coat in these cases.

Oil enhances the natural character of wood (permanent wet effect).

CAUTION

Keep out of the reach of children. Do not get in eyes, on skin, or on clothing. Contains 2-butanonoxime and propiconazole. May produce an allergic reaction. If medical advice is needed, have product container or label at hand. Use only outdoors or in a well-ventilated area. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Dispose of contents/container in accordance with chemical waste disposal regulations (AVV 08 01 11). Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition). The dried finish is classified as B2 (normal flammability) according to DIN 4102 regulations. Safety data sheet upon request for professional users.

DISPOSAL

Dispose of product residuals and completely emptied packages according to the local official guidelines (EU-waste code key number 08 01 11). Only fully emptied tins can be recycled.

COLOUR TONE

Nr. 420 Clear

CAN SIZES

0.75 l; 2.50 l; 25 l

The above mentioned information is given to the best of our knowledge but without liability.

Dated: 06/14



UV-PROTECTION-OIL

Optimal protection from the sun – the first clear oil-based UV-protection for exterior use!



410 Clear
Satin-matt



PRODUCT DESCRIPTION

Clear, satin oil-based UV protection finish for exterior wood.

Microporous, allows the wood to breathe and reduces swelling and shrinking. Water-repellent, does not crack, peel or flake.

As a top coat on already treated wood, the Osmo UV-Protection-Oil increases the intervals between necessary renovations significantly.

As a stand alone finish, with two coats, it prevents the greying process on vertical surfaces through a UV-Protection factor 12 in comparison to untreated wood. Easy to renew, no sanding necessary. Easy to apply, will not dry during application.

When dry, the finish is safe for humans, animals and plants and is suitable for children's toys as per EN 71.3 (European norm) and is resistant to perspiration and saliva in accordance with DIN 53160 (German industrial norm).

RECOMMENDED USE

Osmo UV-Protection-Oil is suitable for all vertical exterior woods: Doors, windows and window shutters (dimensionally stable), carpports, wooden claddings, balconies, gates, pergolas and summer houses (non-dimensionally stable). It can be used as a clear stand-alone finish or as final coat on other Osmo exterior finishes.

INGREDIENTS

Based on natural vegetable oils (sunflower oil, soya oil, thistle oil and linseed oil), siccatives (drying agents) and additives. Disaromatized white spirit (benzene-free).

This product fulfils EU-Regulation (2004/42/EC) according to the VOC-content of max. 400 g/l (Cat. A/e (2010)).

Detailed declaration of ingredients upon request.

TECHNICAL DATA

Specific gravity: 0.9-1.0 g/cm³

Viscosity: >50s DIN EN ISO 2431/3 mm, viscous

Odour: Faint/mild, odourless after drying

Flashpoint: >60 °C according to DIN EN ISO 2719

STORAGE

Up to 5 years and more if can is kept dry and is tightly closed. If thickened by frost, store 24-36 hours under room temperature before usage.

SURFACE PREPARATION

Fresh wood, containing natural wood ingredients and especially hardwood needs to weather off for approximately 6 weeks after installation. Thereby the wood becomes optimally absorbent and the wood finish adheres well.

We recommend a base coat with a coloured finish, e.g. Osmo One Coat Only, Natural Oil Woodstain or Country Colour.

The wood surface must be clean, dry and frost-free (moisture content max. 20 %).

Osmo UV-Protection-Oil is ready to use, please do not thin. Stir well before use.

Old micro-porous stains need to be cleaned. Old paints and lacquers must be removed. For sanding works generally wear a dust mask.

If the greying process has already begun, clean and revive the surface with Osmo Wood Reviver Power-Gel.

The finished surface is, among other things, influenced by the wood's natural characteristics. Basically, a trial application is required, especially for unfamiliar surfaces.

If additional protection against blue stain, rot and mildew is desired, pretreat the wood if possible on all sides with Osmo WR Base Coat*.

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



METHODS OF APPLICATION

Apply thinly with the Osmo Natural Bristle Brush or Osmo Microfibre Roller and streak well, following the wood grain. Allow for good ventilation whilst drying. Then apply a second coat.

When renovating one coat, applied to the clean and dry surface, will usually be sufficient.

CLEANING OF TOOLS

With Osmo Brush Cleaner (free from aromatic compounds).

DRYING TIME

Approx. 12 hours (for standard atmosphere, 23 °C/50 % relative humidity). Lower temperatures and/or higher air humidity can increase the drying time.

COVERAGE

Approx. 18 m² with one coat per litre.

Product coverage depends significantly on the character of the timber. All information refers to smooth and planed/cut surfaces. Other surfaces may lead to reduced coverage.

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.

For areas which are extremely exposed to the weather, like horizontal areas, where the water cannot drain off (e.g. post caps, window sills, furniture seats), please calculate with shorter intervals between renovations.

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 Osmo Wood Reviver Power-Gel and re-apply 2 coats of Osmo UV-Protection-Oil.

In order to achieve UV-protection factor 12, it is necessary to apply the UV-Protection-Oil twice. With only 1 coat on untreated wood, the durability is significantly shorter.

Owing to the high oil content, clear UV-Protection-Oil shows a light yellowing effect when used as a finish on white stained surfaces. Therefore, we recommend using Natural Oil Woodstain 900 White as a top coat in these cases.

Oil enhances the natural tone of wood (permanent wet effect).

CAUTION

Keep out of the reach of children. Do not get in eyes, on skin, or on clothing. Contains 2-butanonoxime. May produce an allergic reaction. If medical advice is needed, have product container or label at hand. Use only outdoors or in a well-ventilated area. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Dispose of contents/container in accordance with chemical waste disposal regulations (AVV 08 01 11). Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of selfignition). The dried finish is classified as B2 (normal flammability) according to DIN 4102 regulations. Safety data sheet upon request for professional users.

DISPOSAL

Dispose of product residuals and completely emptied packages according to the local official guidelines (EU-waste code key number 08 01 11). Only fully emptied tins can be recycled.

COLOUR TONE

Nr. 410 Clear

CAN SIZES

0.75 l; 2.50 l; 25 l

The above mentioned information is given to the best of our knowledge but without liability.

Dated: 06/14

Product information

UV-Protection-Oil Extra

425 Oak, 428 Cedar

Transparent UV-Protection-Oil for exterior - satin matt -

Product description

Osmo UV-Protection-Oil Extra is a satin-matt finish for exterior. It is based on natural oils, is microporous and does not crack, flake, peel or blister. As a stand alone finish, with two coats, it delays the greying process on vertical surfaces by UV-Protection factor 12 in comparison to untreated wood. The finish contains active ingredients which protect it from mould, algae and fungal attack. 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 Extra 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

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

2 coats

Can sizes

0.75l ; 2.5 l; 10 l; 25 l

Coverage

1L for approx. 24 m² with one coat

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 Extra is ready to use, please do not thin, stir well before use. Clean old microporous finishes thoroughly. Remove old varnishes. Please do not sand even surfaces finer than P120. Always wear a dust mask when sanding. 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)

Methods of application

Apply 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 renovating clean the surface thoroughly and allow to dry before applying one further coat of UV-Protection-Oil Extra. Make sure that the surface has been cleaned upfront. The

Product information

UV-Protection-Oil Extra

425 Oak, 428 Cedar

Transparent UV-Protection-Oil for exterior - satin matt -

finished surface 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

Clean working utensils with Osmo Brush Cleaner (benzene-free)

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 Extra 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 Extra.

Note

Depending on the level of weathering apply 1 coat of Osmo UVProtection- Oil Extra 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, using exotic wood species, surfaces where water cannot drain (horizontal surfaces) such as deckings, post caps, garden chairs (furniture) and windowsills. The UV-Protection-Oil Extra 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 Extra. In order to achieve UV factor 12, it is very important to apply the UVProtection- Oil Extra twice. When only 1 coat has been applied on an untreated wood, the durability will be reduced significantly. Owing to the high content of tannic acid, wet wood in combination with ferric oxide may change the colour of the wood.

The finish may be subject to partial flaking caused by the gradual washing out of tannic acid. Therefore, untreated or freshly sanded oak has to be weathered for at least 6 weeks.

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. Store in a dry place. If thickened by frost it will regain a normal consistency under normal temperatures within 24 - 36 hours.

Ingredients

Based on natural vegetable oils (sunflower-oil, soya bean-oil, thistle-oil and linseed-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 max. 400 g/l (Cat. A/e (2010)).

Full declaration of ingredients upon request.

Product information

UV-Protection-Oil Extra

425 Oak, 428 Cedar

Transparent UV-Protection-Oil for exterior - satin matt -

Technical data

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

Viscosity: 60-80 s, 4 mm according to DIN 53211

Odour: low/mild, odourless after drying

Flashpoint: > 60°C (VbF A III) according to DIN 532 13

Caution:

Keep out of the reach of children. Do not get in eyes, on skin, or on clothing. Contains 2-butanonoxime and propiconazole. May produce an allergic reaction. If medical advice is needed, have product container or label at hand. Use only outdoors or in a well-ventilated area. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Dispose of contents/container in accordance with chemical waste disposal regulations (AVV 08 01 11).

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 on request.

Additional information: Observe the general safety regulations when handling chemicals. Always wear a dust mask when sanding.

*The above information is given to the best of our knowledge but without liability.
(dated 02/2014)*