

## Product information: UV-Protection-Oil

### Wood enhancement for exterior and interior - satin-matt - clear

#### Description

Osmo UV-Protection-Oil is a satin-matt, clear finish for interior and exterior application with a great variety of uses. It is natural oil based and micro-porous, 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. However, when used as a complete finish by itself it blocks the greying process by UV-Protection factor 12 in comparison to untreated wood. To freshen up simply apply a further coat onto the dry, clean surface (no sanding – no dust).

Osmo UV-Protection-Oil is water- and dirt-resistant. It is moisture regulating and reduces swelling and shrinking of the wood. Osmo UV-Protection-Oil has a large coverage, is easy to apply and easy to maintain. Oil enhances the natural look of the wood (wet look).

#### 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).

#### Application range

**As a satin-matt finish** (1 coat) can be applied on all Osmo exterior products such as One Coat Only HS<sup>Plus</sup>, Wood Stain Protector or Country Colour on claddings, doors, windows, window shutters, balcony claddings, decking and garden furniture. Osmo UV-Protection-Oil is also an additional weathering protection and prolongs the durability of the finish.

*Advice:* Owing to the high oil content the clear UV-Protection-Oil shows a slight yellowing effect when used as a final finish on white stained surfaces. Therefore, we recommend using the Wood & Stain Protector 900 white as a final finish for already stained surfaces.

**Complete finish** (2 coats) for wood surfaces that should retain its natural appearance. Ideal for roof overhangs, claddings, doors, windows, window shutters, balcony claddings, garden furniture and above-water wood in boat construction (mast, rail etc). For exotic woods we recommend a trial coat.

**As a base coat (primer)** (1 coat) on soft wood species, especially rough sawn wood, to help equalize the differing rates of absorbance.

#### Number of coats required

1 coat = final finish/primer

2 coats = complete finish

#### Can sizes

0.75 l; 2.5 l; 10 l; 25 l

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#### Coverage

1 l = approx. 16 m<sup>2</sup> (1 coat smooth wood)

1 l = approx. 12 m<sup>2</sup> (2 coats smooth wood)

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

*Advice:* When used as a complete finish (2 coats) the overall application amount of 1 l on 12 m<sup>2</sup> must be followed, as a reduced quantity means having a reduced UV-Protection and thus lead to a shorter renovation time.

**Surface preparation:** Wood surface must be clean, dry and frost-free (maximum moisture content 20%). Remove old varnishes. 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\*. Apply final finish after 12-24 hours drying time.

*Advice:* Fungal decay and algae on old wood surfaces can easily be removed with Osmo Gard Clean\* (Green Growth Remover)

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

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

#### Methods of application

**Osmo UV-Protection-Oil is ready to use. Please do not thin – stir well.**

Apply with stiff brush (Osmo Natural Bristle Brush) or Osmo Microfibre Roller **thinly and evenly** along wood grain.

Allow for good ventilation when used interiorly.

When used as a complete finish apply second coat after drying.

The finish is – among other things – influenced by the woods 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 (dust dry in approx. 4 hours). Allow for good ventilation when used interiorly.

#### 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). For timber species, which have water-soluble ingredients (e.g. Oak or Idigbo), and in some extreme locations the finish may require re-coating more regularly to maintain the unique protection qualities of this product.

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

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#### *Advice:*

Damage caused during installation (fixing holes/cut edges) and other surface damage 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.

#### **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/cm<sup>3</sup>

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. 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 11/2008)*

## Product information: UV-Protection-Oil Extra

### Wood enhancement for exterior - satin-matt - clear

#### Description

Osmo UV-Protection-Oil Extra is a satin-matt, clear finish for exterior application with a great variety of uses. It is natural oil based and micro-porous, and does not crack, flake, peel or blister. When used as a final finish after staining wood Osmo UV-Protection-Oil Extra prolongs the renovation time significantly. However, when used as a complete finish by itself it blocks the greying process by UV-Protection factor 12 in comparison to untreated wood. To freshen up simply apply a further coat onto the dry, clean surface (no sanding – no dust).

Osmo UV-Protection-Oil Extra is water and dirt resistant. It is moisture regulating and reduces swelling and shrinking of the wood. Osmo UV-Protection-Oil Extra has a large coverage, is easy to apply and easy to maintain. Oil enhances the natural tone of wood (wet look).

#### 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).

#### Application range

**As a satin-matt finish** (1 coat) can be applied on all Osmo exterior products such as One Coat Only HS<sup>Plus</sup>, Wood Stain Protector or Country Colour on claddings, doors, windows, window shutters, balcony claddings, decking and garden furniture. Osmo UV-Protection-Oil Extra is also an additional weathering protection and prolongs the durability of the finish.

*Advice:* Owing to the high oil content the clear UV-Protection-Oil Extra shows a slight yellowing effect when used as a final finish on white stained surfaces. Therefore, we recommend using the Wood & Stain Protector 900 white as a final finish for already stained surfaces.

**Complete finish** (2 coats) for wood surfaces that should retain its natural appearance. Ideal for roof overhangs, claddings, doors, windows, window shutters, balcony claddings, garden furniture and above-water wood in boat construction (mast, rail etc). For exotic woods we recommend a trial coat.

#### 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 m<sup>2</sup> (1 coat smooth wood)

1 l = approx. 12 m<sup>2</sup> (2 coats smooth wood)

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

*Advice:* When used as a complete finish (2 coats) the overall application amount of 1 l on 12 m<sup>2</sup>

## Product information: UV-Protection-Oil Extra

### Wood enhancement for exterior - satin-matt - clear

must be followed, as a reduced quantity means having a reduced UV-Protection and thus lead to a shorter renovation time.

**Surface preparation:** Wood surface must be clean, dry and frost-free (maximum moisture content 20%). Remove old varnishes. 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\*. Apply final finish after 12-24 hours drying time.

*Advice:* Fungal decay and algae on old wood surfaces can easily be removed with Osmo Gard Clean\* (Green Growth Remover)

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

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

#### Methods of application

**Osmo UV-Protection-Oil is ready to use. Please do not thin – stir well.**

Apply with stiff brush (Osmo Natural Bristle Brush) or Osmo Microfibre Roller **thinly and evenly** along wood grain.

Allow extra ventilation when applying in enclosed spaces.

When used as a complete finish apply second coat after drying.

The finish is – among other things – influenced by the woods 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 (dust dry in approx. 4 hours). Allow extra ventilation when applying in enclosed spaces.

#### 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). For some timber species, which have water-soluble ingredients (e.g. Oak or Idigbo), and in some extreme locations the finish may require re-coating more regularly to maintain the unique protection qualities of this product. If, however, the greying process has already begun revive the surface with the Osmo Wood Reviver and re-apply with 2 coats of the Osmo UV-Protection-Oil Extra.

#### *Advice:*

Damage caused during installation (fixing holes/cut edges) and other surface damages e.g. crack 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.

## **Product information: UV-Protection-Oil Extra**

### **Wood enhancement for exterior - satin-matt - clear**

#### **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/cm<sup>3</sup>

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 Dichlofluanid. 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.

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(dated 11/2008)*

# 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 m<sup>2</sup> 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

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### 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.

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### 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/cm<sup>3</sup>

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.

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(dated 02/2014)*