

## Product information: Wood Oils

### Description

Osmo Wood Oils (transparent or clear) protect, maintain and beautify garden furniture, wooden decks and grates etc. Especially made for Teak, Bangkirai, Massarandua, Garapa, Koto, Iroko and other precious hardwoods, as well as for Oak, pressure impregnated wood, Pine, Douglas Fir, Larch, Cedar, etc.

They produce a smooth satin-matt surface, which is very water-resistant, dirt repellent and easy to maintain and re-finish.

Osmo Wood Oils have a very high coverage and are very easy to apply (thixotropic).

The micro-porous finishes - based on natural vegetable oils will allow the wood to breathe and helps to regulate the moisture content reducing swelling and shrinkage, the finish will not crack, flake, peel or blister. To maintain simply apply a further coat (no sanding required).

The surface is easy to maintain, conforms to the German standard DIN 68861-1C and is resistant against cleaning materials, wine, beer, soft drinks, coffee, tea, fruit juices, milk and water etc.

### Based on natural oils and waxes

Osmo Wood Oils are 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, this allows moisture to escape and helps reduce shrinking and swelling.

### Health and environment

Osmo Wood Oils contain neither biocides nor preservatives. They are safe for man, animal and plant when dry and comply with German DIN 53160 (fast to perspiration and saliva) and Euro Norm EN 71 (suitable for children's toys.)

*Note:* The new Oak Oil (015) conforms to neither of these due to a small amount of biocides, which are necessary for the prevention of algae and mould.

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) by the TÜV (Technical Control Board) Rhineland.

### Uses

Garden furniture, wooden decks and wooden grates etc. made from Teak, Bangkirai, Massaranduba, Garapa, Koto, Iroko and other hardwoods, as well as for Oak, pressure impregnated wood, Pine, Douglas Fir, Larch, etc.

Osmo Wood Oils are also suitable for the treatment of all other garden equipment, which require protection against dirt and moisture. Osmo Wood Oils maintain the wood surface and keep it from drying out. Osmo pigmented Oils (e.g. Bangkirai Oil) also offer UV-protection against greying.

### Colour shades

004 Douglas Fir Oil (natural shade)

005 Pine Oil olive green (shade of pressure treated wood)

006 Bangkirai Oil (natural shade)

007 Teak Oil as Spray, clear

008 Decking Oil clear

009 Larch Oil (natural shade)

010 Thermowood Oil (coloured trans-parent for thermo-treated wood)

011 Iroko Oil (natural shade)

012 Patio Oil (transparent)

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013 Garapa Oil (natural shade)  
014 Massaranduba Oil (natural shade)  
015 Oak Oil (natural shade)  
016 Bangkirai Oil (dark)

If you wish to retain the original colour of your wood we recommend using the appropriate colour oil, or the one nearest to your wishes, for example 004, 005, 006, 009, 010, and so on, you can also use Osmo Wood Stain And Protector.

*Clear finishes do not protect against the UV-rays of the sun.*

**No. of coats (normally) required:** 2 (no primer!) (for renovating one coat will normally be sufficient)

### Coverage

1 litre = approx. 16-20 sq.m., smooth wood, **one coat**.

1 litre = approx. 9-12 sq.m., smooth wood, **two coats**

Rough or striated wood in general needs more material due to its surface structure.

**Can sizes** 0,375 litres (Teak-Oil only) 0,75ltr, 2,5ltr, 0,4ltr Spray, only for 007 Decking Oil.

### Surface preparation

Wood surface must be clean, dry (maximum moisture content 20 %) and frost-free. Old paints and varnishes must be removed (with Osmo Paint Remover or by sanding). Old micro-porous stains need only to be cleaned or lightly sanded. If an especially smooth surface is desired sand with fine grain sandpaper before application (grain max. 150) and remove dust carefully. New wood: If possible apply first coat on all sides of the wood before installation. Hardwoods with an especially high content of active ingredients leave to weather for about 2 – 3 months (in winter up to 5 months) or wipe over with Osmo Brush Cleaner and Thinner (to degrease surface). If additional protection against blue stain, rot and mildew is desired, pre-treat with Osmo Wood Impregnation WR\* (Water Repellent and Preventive Wood Preservative) or with wax impregnation Osmo Wood Protector (biocide-free).

### Compatibility

Can be painted on wood surfaces treated with Osmo Wood Stains, Clears and Opaques for exterior wood or other micro-porous stains as well as pressure impregnated wood. Please try the finish on a small, hidden surface area before complete application.

### Fixation and corrosion

In areas with high humidity, the use of galvanised, non-oxidising nails and a fastener is recommended.

### Method of application (not 007 Spray)

Take brush or cloth: Osmo Wood Oils are ready to use. Stir well. Use a rather stiff quality brush or soft lint free cloth and apply a thin coat evenly and thoroughly along wood grain. Wipe off any excess when finished. Leave approx. 12 hours to dry, providing good ventilation. Then apply second coat as described. Decking and furniture, etc. subject to severe weather conditions or mechanical wear: Apply a clear finish (007/008) once dry.

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### Method of application of 007 Spray

Osmo Teak-Oil Spray is ready to use. Shake the spray can well and test before application. Spray at a distance of approx. 25 cm. During application, cover up the surrounding area and parts which are not to be treated to protect them from the spray haze. Wipe off any surplus with a cloth. Leave to dry for approx. 12 hours ensuring good ventilation and then spray a second time. One spray coating is usually sufficient when recoating/renovating. Clean the spray nozzle after use.

**Cleaning of tools:** With Osmo Brush Cleaner (benzene-free) or white spirit.

### Drying time

Approx. 10-12 hours with good ventilation (Osmo paints dry by oxidation and therefore require air to dry). Before using garden furniture made from extremely hard wood species treated with Osmo Wood Oils, make sure they are thoroughly dry.

### Maintenance

Surfaces treated with Osmo Wood Oils are very easy to clean. Just use moist cloth (water with any household detergent or soap, preferably Osmo Wash And Care). Particularly persistent stains can easily be removed with Osmo Liquid Wax Cleaner (also available as spray). If necessary apply a further coat of an Osmo Wood Oils on dry, clean surface.

### Storage

Can be stored up to 5 years or more if can is full and tightly closed. Store in dry place. If thickened by frost it will regain its normal consistency under normal temperatures within 24-36 hours.

### Ingredients

Approx. 50-60 % solids

Base: natural vegetable oils (sunflower oil, soybean oil and thistle oil)

Pigments: titanium dioxide (white pigment), iron oxides and organic pigments.

All officially approved for use in the food sector.

Additives: water-repellent additives, siccatives (drying agents)

Solvents: disaromatized white spirit - (benzenefree - in compliance with purity demands of the European Pharmacopoeia)

007 Spray only: propane/butane as propellant

Full declaration of ingredients upon request

### Technical Data

Specific gravity: 0.8 –0,95 g/cm<sup>3</sup>

Viscosity: 90-105", 2 mm according to DIN 35 211, thin

Odour: faint/ mild, odourless after drying

Flashpoint: Flammable - Flashpoint Setaflash ASTM D > 55 °C.

007 Spray only: F+, Extremely flammable

Dried surface hardly flammable according to TL A-053.

Fire conduct in compliance with demands of German DIN 4102 (fire conduct of building materials and components) Class B 2 (normal inflammability).

### Caution

Keep out of the reach of children. Do not fill into containers normally used for food and drink.

Work in areas with good ventilation. Do not apply in the presence of naked flames, hot surfaces

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or unprotected electrical equipment. In case of contact with eyes rinse immediately with plenty of water. Contains 2-butanonoxime. May produce an allergic reaction. The dried paint is safe for human, animal and plant.

*Caution:* Wash out any cloth used immediately or store in a airtight container (danger of spontaneous combustion).

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

*The above information is given to the best of our knowledge but without liability.  
(dated 01/2008)*