

## Product information: Decking Oils

### Description

Osmo Decking Oils (transparent or clear) protect, maintain and beautify garden furniture, wooden decks and gates 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 and Cedar, etc.

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

Osmo Decking 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 Decking 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 Decking Oils does not contain biocides nor preservatives. They are safe for human, animal and plants when dry and comply with German DIN 53160 (fast to perspiration and saliva) and Euro Norm EN 71 (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) by the TÜV (Technical Control Board) Rhineland.

### Uses

Garden furniture, wooden decks and wooden gates 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 Decking Oils are also suitable for the treatment of all other garden equipment, which require protection against dirt and moisture. Osmo Decking 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)
- 006 Bangkirai Oil (natural shade)
- 007 Teak Oil (clear)
- 008 Teak Oil Spray (clear)
- 009 Larch Oil (natural shade)
- 010 Thermowood Oil (coloured transparent for thermo-treated wood)
- 013 Garapa Oil (natural shade)
- 014 Massaranduba Oil (natural shade)
- 019 Decking Oil Grey
- 020 Decking Oil Black

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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, you can also use Osmo Natural Oil Woodstain.

*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** 0,400 litres (Teak Oil Spray only) 0,75ltr, 2,5ltr.

### 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 oil, 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 WR Base Coat 4005 or with wax impregnation Osmo Wood Protector 4006 (biocide-free).

### Compatibility

Can be painted on wood surfaces treated with Osmo Woodstains, 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 008 Spray)

Take brush or cloth: Osmo Decking 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.

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### Method of application of 008 Teak Oil 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 Decking Oils, make sure they are thoroughly dry.

### Maintenance

Surfaces treated with Osmo Decking 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 Decking Oils onto a clean, dry 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)

008 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.

008 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)*