

High Solid

Product information: Polyx® Oil

The Original Hardwax-Oil, matt / satin-matt / white transparent

Description

Osmo Polyx®-Oil is a professional, clear, satin-matt (3032) or matt (3062) floor finish for all wooden floors (solid wood floors, laminated flooring, oriented strand-board etc.). Can also be used on cork floors and for terracotta and other unglazed tiles. It is also well suited for the treatment of furniture surfaces (i. e. table tops).

The Osmo Polyx®-Oil surface is extremely tough and hard-wearing. It is water-repellent and dirt-resistant. The finish is resistant against wine, beer, cola, coffee, tea, fruit juices, milk and water etc. when dry according to DIN 68861 - 1C (German Industrial Norm).

Dirt can easily be removed without trace. Renovating, even partially, is easy. Just clean and re-treat worn

areas: No sanding, no repair marks, no removal of previous Polyx®-Oil finish.

The wear resistance of floors treated with Osmo Polyx®-Oil even exceeds that of conventional parquet seals and varnishes. Tests with Osmo Polyx®-Oil were performed by the Independent Polymer Institute Flörsheim-Wicker in compliance with DIN 51963.

Osmo Polyx®-Oil is based on natural vegetable oils and waxes. It is micro-porous and does not crack, flake, peel or blister. Therefore it is an ideal treatment even in rooms with high humidity. Osmo Polyx®-Oil is very easy to apply: Only two thin coats no primer!). It is of a creamy consistence (thixotropic). The satin-matt (3032) or matt (3062) sheen can be intensified by slight polishing. Grain and texture of the wood are accentuated. A wooden floor which has been treated with Osmo Polyx®-Oil will become more beautiful and valuable with age.

Product based on natural oil and wax

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

Health and environment

Osmo Polyx®-Oil does not contain biocides nor preservatives. It is safe for man, animal and plant when dry and complies with German DIN 53160 (fast to perspiration and saliva) and EURO-NORM EN 71 (suitable for children's toys). Test certificates available.

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.

Die Fa. Osmo Holz und Color
ist zertifiziert nach DIN EN
ISO 9001:2000
(Qualitätsmanagement) sowie
nach DIN EN ISO 14001
(Umweltmanagement).

Uses

For all interior wooden floors. Also very well suited for cork and OSB (oriented strandboard)

floors, terracotta and other unglazed tiles.

For dark hardwood floors like Jatoba, Meranti, Wengé, Merbau, etc. use Osmo Wood Wax Finish No. 1001 Clear Extra Thin (Trial application recommended).

Osmo Polyx[®]-Oil can also be used to advantage on wooden furniture, table tops etc.

Colour shade

3032 clear, satin-matt

3062 clear, matt

3040 White Transparent

If a transparent coloured finish is desired, mix with Osmo Wood Wax Finish Opaque (i. e. 10:1) for first coat or use Osmo Wood Wax Finish Transparent or Osmo Hardwax-Oil White Foundation. Finish with Osmo Polyx[®]-Oil clear.

No. of coats required

2 (no primer)

Renovation: 1 coat

Coverage

1 l = approx. 12 m², two coats

= approx. 20 m², one coat

Can sizes

0.375 litres; 0.75 litres; 2.5 litres; 10 litres; 25 litres

Larger volumes please enquire.

Preparation

The wood, cork or OSB surface must be clean and dry (maximum moisture content 20 %).

Small dents and holes in the wood can be filled with Osmo Woodfiller. Only apply on frost free surface. Clean or lightly sand old micro-porous finishes.

Remove old varnishes (with Osmo Paint Remover or by sanding).

If required, sand with fine grain before application (grain max. 150), remove dust carefully.

For wood tending to attract blue stain in moist surroundings (e.g. pine) a pre-treatment (all sides if possible) with biocide-free wax impregnation Osmo Wood Protector is recommended.

Compatibility

Osmo Polyx[®]-Oil can be applied over all Osmo Waxes, Osmo Wood Protector and Osmo Clear Oil Finish.

Corrosion

In rooms of high humidity the use of galvanised, non-oxidising nails and fasteners is recommended.

Method of application

Osmo Polyx[®]-Oil is ready to use. Please do not thin - stir well.

1. Wood floors

Apply with a stiff, tight quality brush or floor brush with tight fine bristles, e.g. Osmo Hand Brush (100 mm), Osmo Floor Brush (230 mm) or a commercial brushing machine.

Apply first coat thinly, thoroughly and evenly along wood grain. Remove surplus. Leave to dry over night (at least 8-10 hours) ensuring good ventilation.

Apply second coat as above. Remove surplus and leave to dry at least 8-10 hours. Ventilate well. A further treatment of the floor is not necessary.

When thoroughly dry, the surface can be polished with hand polisher or polishing machine.

If a more satin finish is desired, apply Osmo Liquid Wax Cleaner (also available as Spray) thinly and polish after drying (for small areas use Osmo Polishing Pad).

When using a commercial brushing machine please follow instructions of manufacturer.

2. Cork floors

Due to the extreme absorption power of this highly elastic natural material we recommend the following procedure:

Apply first coat very thinly with a broad varnish scraper (the Polyx®-Oil will immediately be absorbed by the cork surface).

Leave to dry for at least 24 hours (if possible longer) - ensure good ventilation.

Apply second coat very thinly with a roller of foamed plastics. Remove with cloth immediately any excess of finish (edges). Leave to dry for at least 24 hours.

Small areas of cork flooring can also be treated by brush (Osmo Hand Brush). Please make sure to apply very thinly.

Cork tiles are best treated before laying in order to avoid overlapping treatment of edges which would lead to prolonged drying times.

A cork floor treated with Osmo Polyx®-Oil will get a robust, elastic and wear-resistant surface which will harden further over 2-3 weeks.

Cleaning of tools

With Osmo Brush Cleaner (benzene-free) or white spirit.

Drying time

At least 8-10 hours - provide good ventilation (Osmo wood finishes dry by oxidation and therefore need air).

Dust dry - after approx. 6 hours.

For cork surfaces the drying time can be 24 hours or longer.

Maintenance

For daily maintenance a duster, mop or vacuum cleaner will be sufficient. An electric floor polisher is very useful.

Floors treated with Osmo Polyx®-Oil can be cleaned with water (containing Osmo Wash And Care).

For persistent stains, remove with Osmo Liquid Wax Cleaner (also available as Spray). This will also revive the appearance of the surface.

When the surface becomes a little dull apply a thin coat of Osmo Polyx®-Oil and wipe with cloth or electric floor polisher. Clean floor (as above) prior to re-finishing.

Renovation

For renovation apply a thin coat of Osmo Polyx®-Oil on clean, dry floor. This is also possible in hard used areas. No repair marks will be visible.

Storage

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

Ingredients

50-60 % solids (High Solid)

Base: natural vegetables oils and waxes (sunflower oil, soy-bean oil, thistle oil, carnauba and candellila wax), paraffines.

Additives: siccatives (drying agents) and water-repellent additives.

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

Full declaration of ingredients upon request.

Technical Data

Specific gravity (Density): 0.89 g/cm³

Viscosity: thixotropic, creamy

Odour: low odour (vegetable oil), odourless when dry.

Flashpoint: Flashpoint Setaflash ASTM D >55°C

Caution

Keep out of reach of children. Do not fill into containers normally used for food and drink. Do not bring into contact with drinks, victuals and animal food. Work in areas with good ventilation.

Contains 2-Butanonoxime. May produce an allergic reaction. The dried Polyx[®]-Oil is safe for human, animal and plant.

In case of contact with eyes rinse immediately with plenty of water.

Caution: Wash out any used cloth immediately or store in a airtight container (danger of spontaneous-combustion). Dried surface is hardly flammable according to TL A - 053.

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

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

(dated 07/2006)