

## NATURAL CORK® ENDURA OS FINISH

Information and Application

### Description

Osmo Polyx-Oil The original Hardwax 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.). Use on cork floors and for terracotta and other unglazed tiles. It is also well suited for the treatment of furniture surfaces (i.e. tabletops).

The Osmo Polyx-Oil The original Hardwax Oil surface is extremely tough and hardwearing. 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 removes without a trace. Renovating, even partially, is easy. Just clean and re-treat worn areas: No sanding, no repair marks, and no removal of previous Polyx-Oil the original Hardwax Oil finish. The wear resistance of floors treated with Osmo Polyx-Oil The original Hardwax Oil even exceeds that of conventional parquet seals and varnishes. Tests with Osmo Polyx-Oil the original Hardwax Oil were performed by the Independent Polymer Institute Flörsheim-Wicker in compliance with DIN 51963.

Osmo Polyx-Oil the original Hardwax Oil bases 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 the original Hardwax 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 accentuate. A wooden floor, which treated with Osmo Polyx-Oil, will become more beautiful and valuable with age.

### Product based on natural oil and wax

Osmo Polyx-Oil the original Hardwax Oil bases 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 breathes. Moisture can evaporate. Chances of shrinking and swelling reduce.

### Health and environment

Osmo Polyx-Oil the original Hardwax Oil does not contain biocides or preservatives. It is safe for man, animal, 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 (quality management) and DIN EN ISO 14001 (environmental management) by the TÜV (Technical Control Board) Rhineland.



### Uses

An interior wooden floors, very well suited for cork and OSB (oriented strand board) 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 the original Hardwax Oil can also be used to advantage on wooden furniture, table tops etc.

### Color shade

3032 clear, satin-matt

3062 clear, matt

3040 White Transparent (see own Product Information) If a transparent colored 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 COLOR Polyx-Oil WHITE FOUNDATION. Finish with Osmo Polyx-Oil clear.

### Number of coats required

Post Installation with ENDURA OS prefinished Natural Cork®:

1 Coat

Maintenance or top coating:

2 coats (no primer)

1 coat (Renovation)

## Coverage

approx. 125 sf, two coats

approx. 215 sf, one coat

## Can sizes

0.375 liters; 0.75 liters; 2.5 liters;

10 liters; 25 liters

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 filled with Osmo Wood filler. Only apply on frost-free surface. Be sure to 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 The original Hardwax Oil can be applied over all Osmo Waxes, Osmo WOOD PROTECTOR and Osmo CLEAR OIL FINISH.

## Corrosion

In rooms of high humidity, use galvanized, non-oxidizing nails and fasteners.

## Method of application

Osmo Polyx-Oil the original Hardwax Oil is ready to use. Please do not thin - stir well.

### ◆ 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
- For a satin finish, apply Osmo LIQUID WAX CLEANER (also available as Spray) thinly and polish after drying (for small areas use Osmo POLISHING PAD).

### ◆ 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 the original Hardwax Oil will immediately be absorbed by the cork surface).
- Leave to dry for a 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
- Brush small areas of cork flooring (Osmo HAND BRUSH). Please make sure to apply very thinly.
- Treated Cork tiles 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 the original Hardwax 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 the original Hardwax 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 the original Hardwax 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 the original Hardwax 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 Candelilla wax), paraffin's.

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

Solvents: disaromatized white spirit (benzene free - in compliance with purity demands of the European pharmacopoeia)

*Full declaration of ingredients upon request.*

## Technical Data

Specific gravity

(Density): 0.89 g/cm<sup>3</sup>

Viscosity: thixotropic, creamy

Odor: low odor (vegetable oil), odorless when dry.

Flashpoint: Flashpoint Seta flash 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 2Butanonoxime- 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 an 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)