

# Product Information - Polyx-Oil 2K <sup>Pure</sup>

**Product description:** Osmo Polyx<sup>®</sup>-Oil 2K Pure is a high quality solvent (and water) free Hardwax-Oil for professional fitters and users, ideal for all parquet and solid wood floors (solid wood, plankwood, block strip etc.), in accordance with DIN 18356. Osmo Polyx<sup>®</sup>-Oil 2K Pure is based on natural waxes and oils. It creates an open porous, breathable surface. The finished surface is resistant against wine, beer, cola, coffee, tea, fruit juices, milk and water according to EN 12720 (former DIN 68861-1C).

## Advantages:

Dries on tropical wood species

Can be used for finishing darker wood species (e.g. smoked Oak)

Fast drying, ideal for use in commercial areas (shorter „closed“ time for business)

**Uses:** sanded parquet and wooden flooring (solid wood, plankwood, block strip etc...)

**Color tone:** No. 6125 Clear, satin-matt

**Can sizes:** 0.9 litre + 0.1 litre

**Coverage:** 1 litre covers approx. 30 - 40 m<sup>2</sup>

## Ingredients:

**Polyx<sup>®</sup>-Oil (component A):** Based on natural vegetable oils and waxes (sunflower-oil, soyabean-oil, thistle-oil, carnauba-wax, candellilla-wax), paraffins. Siccatives (drying agents) and water-repellent additives.

**Hardener (component B):** Solvent free aliphatic Polyisocyanate.

This product fulfills EU-Regulation (2004/42/EC) according to the VOC limit value of max. 500 g/l (Cat. A/j (2010)). This product contains a maximum of 50 g/l VOC.

Detailed declaration of ingredients available upon request.

## Technical data:

### Component 1 (Polyx<sup>®</sup>-Oil):

Specific gravity: approx. 0,95 - 1,00 g/cm<sup>3</sup>

Colour: Dark brown

Odour: mild

Flashpoint: > 100 °C

### Component 2 (Hardener):

Specific gravity: approx. 1,10 - 1,15 g/cm<sup>3</sup>

Colour: Clear

Odour: light intrinsic odour

Flashpoint: > 150 °C

**Storage:** Shelf life is 2 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.

**Preparation:** Osmo Polyx<sup>®</sup>-Oil 2K Pure is not ready to use. Please apply the hardener component shortly before use, the can should be emptied completely. Pay attention to the thorough mixing of the components.

Note: the can-time (open-time) is approx. 4 hours.

Tip.: The can-time (open time) is the amount of time in which you can work effectively with the product after the hardener has been added. Stir well before use with a stick or similar implement.

The wood surface must be clean and dry before application (max. 20 % moisture content). Only work on frost-free wood. Renovate small cracks and holes with the Osmo Wood Filler. Clean old micro-porous finishes. Remove any old coats of paint/varnish (using Osmo Paint Remover or by sanding). If necessary, finely sand the surface before starting (using 120 - 150 grit sandpaper), carefully removing all dust.

## Application:

Spread the Osmo Polyx<sup>®</sup>-Oil 2K Pure evenly with a wide paint scraper or the Osmo Professional Scraper.

Wait approx. 30 - 60 Minutes, until the Polyx<sup>®</sup>-Oil 2K Pure has penetrated the wood surface.

Massage the Polyx<sup>®</sup>-Oil 2K Pure into the surface using a single disc machine and a green pad.

Directly after this repeat the 1 - 3 steps with a second coat.

Using a white pad, spread the finish evenly across the surface area.

Tip: If the buffing machine starts to leave streaks because of over-application of the product, we recommend turning the pad over or replacing it.

The finished surface is, among other things, influenced by the woods' natural characteristics, therefore a trial application is required before finishing.

**Cleaning of tools:** Clean working utensils with Osmo Brush Cleaner (benzene-free).

**Drying time:** At 20 °C room temperature the surface is dry, and can be walked on, after approx. 4 hours. Surface is fully hardened and resilient after 24 hours.

**Note:** Polyx<sup>®</sup>-Oil 2K Pure works only in combination with the hardener. The product cannot be re-used or stored after mixing.

Surfaces finished with Osmo Polyx<sup>®</sup>-Oil 2K Pure are easy to clean and maintain. A broom, vacuum cleaner or the Osmo Opti-Set (Dust-mop, Micro-mop plus and Active fibre cloth) is all that is required for day-to-day floor care. The Dust Mop is easy to use for picking up dust on all timber floors. The floor may also be damp-mopped using the Micro-mop plus, adding Osmo Wash and Care additive to the water. For refreshing or intensive cleaning we recommend the Osmo Liquid Wax Cleaner. A higher level of sheen can be achieved by polishing the Liquid Wax Cleaner after thorough drying. Trial application is recommended.

## Caution:

### Polyx<sup>®</sup>-Oil (component A):

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 cobalt carboxylate. May produce an allergic reaction. 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).

### Hardener for Polyx<sup>®</sup>-Oil (component B):

Xi - irritant. - Contains: Hexamethylene diisocyanate, oligomers. May cause sensitization by skin contact. Keep out of the reach of children. Do not breathe spray. Avoid contact with skin. Wear suitable gloves. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas. Contains isocyanates. See information supplied by the manufacturer. Any existing national regulations on the handling of isocyanates must be observed. The European Committee of Paint, Printing Ink and Artists' Colours Manufacturers' Associations (CEPE) provides the following information on coatings containing isocyanates: Ready-to-use paints containing isocyanates may have an irritant effect on mucous membranes - especially on breathing organs - and cause hypersensitivity reactions. Inhalation of vapor or spray mist may cause sensitisation. When handling paints containing isocyanates all precautions required for solvent-containing paints must be followed. Vapor and spray mist in particular should not be inhaled. Allergics and asthmatics as well as people prone to respiratory ailments should not work with isocyanate containing paints. The handling of coating materials or adhesives containing reactive polyisocyanates and residual monomeric HDI requires appropriate protective measures referred to in the safety data sheet. These products may therefore be used only in industrial or trade applications. They are not suitable for use in home worker (DIY) applications. The dry finish fulfills fire classification B2 according to DIN 4102.

**Safety data sheet available for professional user on request.**

The above information is given to the best of our knowledge but without liability. (Dated: 04/2010)