



# WOOD OIL

## PU-XXXX

# Basin®

a base for a better living

TECHNICAL DATASHEET 1/5

This solvent-based oil based on natural oil is suited for finishing new, untreated or freshly sandend wooden floors as well as other rough wood parts, providing a long-lasting, water and chemical domestic products proof matt finish. It concerns an impregnation of the wood.

**Pay attention:** not suited for certain exotic wood species (e.g. Padouk). Always perform a test first.



## TECHNICAL INFO

### Base

Natural oil

### Appearance

Clear purplish brown

### Dilution

White spirit TH-0030 // For porous wood species (like e.g. pine) one must do a 50:50 impregnation with white spirit

### Density

± 0,85 g/cm<sup>3</sup>

### Dry matter

± 40 %

Can be diluted with 5 % white spirit

### Viscosity

15 seconds

### Drying time

12 hours = before applying the next layer

7 days = completely hardened

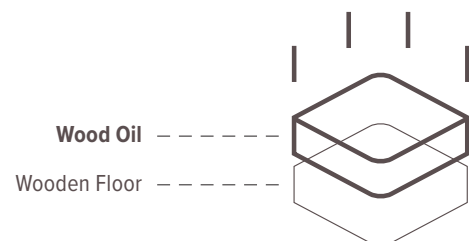
### Stain resistance

Excellent

-view 'Chemical resistance' page 5-

### Standard

VOC-rate in accordance with the latest European guidelines (DECOPAINT)



# WOOD OIL PU-XXXX

TECHNICAL DATASHEET 2/5

## Iconography



Indoor

This product is suitable for indoor application.



Gloss

This product maintains the unique opacity of your wooden floor and has a gloss level of 2,5 to 3 % (at an angle of 60°).



Stir Well

View 'Application' on page 4 for the correct instructions.



Drying Time

The 1<sup>st</sup> layer is recoverable after 12 hours. Sand after the 2<sup>nd</sup> layer, between the layers with grain P220 if the wood is too raw.



Cloth

This product can be manually applied with a white cotton cloth ( $\pm 20 \text{ m}^2/\text{L}$ ).



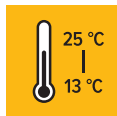
Pad

This product can be mechanically applied with a white pad on a single disc machine ( $\pm 45 \text{ m}^2/\text{L}$ ).



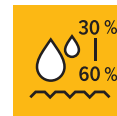
Consumption

Manually:  $\pm 15 - 20 \text{ m}^2/\text{L}$   
(consumption of  $50 \text{ g}/\text{m}^2$ )  
Mechanically:  $\pm 40 - 45 \text{ m}^2/\text{L}$   
(consumption of  $25 \text{ g}/\text{m}^2$ )



Temperature

This product can be applied at a temperature of 13 to 25 °C.



Humidity

This product can be applied at a humidity of 30 to 60 %.



Storage Temp.

This product needs to be stored at a temperature of 10 to 25 °C.



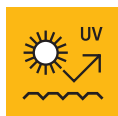
EXP Date

PU-XXXX can, when unopened, be used for 24 months.



Packaging

This product is available in 0,75 L and 2,5 L as well as in boxes of 13 x 0,75 L en 4 x 2,5 L.



UV Filter

The oil does not change colour by influence of light.



VOC Level

This product contains 487 g/L of Volatile Organic Compounds meaning that, during hardening, 487 grams of these compounds are emitted per liter (2010/75/EU). Product for workshop professionals.



Layers

This product must be applied in minimum 2 or 3 layers ( $50 \text{ g}/\text{m}^2$ ) and each layer must be wiped off with a cotton cloth. Or with a single disc machine with a cotton pad.



Inflammable

**Attention:** spontaneous combustion of the cloths is possible given that it concerns an oxidative (= exothermic) reaction.

# WOOD OIL

## PU-XXXX

TECHNICAL DATASHEET 3/5

### Preparation of wood substrate

The wood substrate needs to be dry (humidity of the wood between 8 to 10 %), free of dust, dirt and grease. Therefore completely sand the wood (finish with grain P120). If necessary, repair or fill connections, holes, cracks and tears with an appropriate sealant from the BASIFON-range of BASIN. Then sand again (finish with grain P120). Last but not least >> run a test before starting the final treatment with WOOD OIL.

### Preparation of tools

It is highly recommended to use a white cotton cloth HWZ-073 or white pads HWZ-0122 with a single disc machine and a bucket HWZ-90814 with water.

### # of impregnation oil layers

For clear wood species that are exotic, too porous and/or acidic, one can apply PU-XXXX oil directly onto the raw wood (in 2 or 3 layers).

**Pay attention:** certain exotic wood species may cause trouble during the oil application. They must always be cleaned with INTENSIVE CLEANER AD-9300 or rinsed with THINNER TH-0609PUR. For nailed wooden floors one must use inox nails or push the nails and fill them up with BASIFON NC-0010 or BASIFON POWDER WV-XXXX.

### Mix the oil to avoid a deposit

If the oil is not mixed thoroughly enough, colour differences can occur on the treated wood.

### Manual application (minimum 2 layers)

1. Apply a layer of WOOD OIL with a cloth or single disc machine. Work in parts of 20 to 30 cm (width) and 80 cm (length). The impregnation time can only take up 10 minutes tops (afterwards the oil becomes too thick).
2. After the impregnation time, the remaining oil on the surface must be carefully wiped off. Temperatures that are too high and the warmth of the sunbeams accelerate the evaporation process of the solvent, which can have negative consequences.
3. Apply, after a drying time of minimum 12 hours, a second layer of WOOD OIL PU-0900 transparent in a similar way.
4. Let it harden out for minimum 12 hours. After approximately 1 one week, the oil is completely hardened.

In 90 % of the cases the wood is saturated after 2 treatments. In exceptional cases it is possible that the oil is not sufficiently impregnated (extremely dry wood, underfloor heating, old or very porous wood, ...). One can easily determine this by looking at the absorption of the oil by the wood. If the oil is impregnated during the application, it is recommended to apply multiple layers until the wood has reached its saturation point.

### ADVANTAGES

#### Ecological

Natural oil basis.  
One component (isocyanate free).

#### No yellowing

The oil does not yellow through time.

#### High stain resistance

High resistance to water and other chemical domestic products.

#### Different colours

12 possibilities.

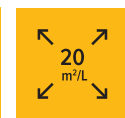
#### Certificats



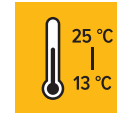
Stir Well



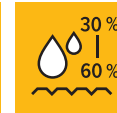
Cloth



Consumption



Temperature



Humidity



Drying Time



Inflammable



Layers

# WOOD OIL PU-XXXX

TECHNICAL DATASHEET 4/5

## Mechanical application (2 or 3 layers with a single disc machine)

1. Pour a certain quantity of oil -that you can immediately cover with a single disc machine for wooden floors- in the middle of the pad. Steadily apply the oil with a white pad. Regularly pour new oil in the middle of the pad. Egalize sufficiently to become a 'smooth' effect (this is also how you can avoid shiny spots). Thanks to the strong friction -that occurs during this procedure- warmth, that ensures that the oil will impregnate even better into the wood, originates.

2. Continue egalizing until the wood is completely saturated.

3. When the oil does no longer impregnate there will occur some residue in the deep grains in between the boards that one has to wipe off manually with the aid of a cotton cloth. For coloured oils we recommend a second layer of WOOD OIL PU-0900 transparent oil.

4. The first layer has to dry for minimum 12 hours before applying the second layer. After 24 hours it is possible to carefully walk on the treated floor. After one week the oil is completely hardened.

**Attention!** Danger for spontaneous combustion. In some cases parquet oils can spontaneously combust. Keep the oil drenched cloths separate and immerse them in water immediately after use. Put them in an appropriate container afterwards.

**Remark:** for an even stronger resistance one can apply a layer of HARDWAX (AD-90952).

## Deployment

After 12 hours of drying it is possible to carefully walk on the treated floor. The maximal hardness of the product is obtained after 7 days. During this time, the oiled floor may not be covered.

## Cleaning of tools

Clean the tools immediately after use with thinner (TH-0609PUR) or white spirit (TH-0030). Do not dispose of any product in the sewerage. Let the remaining product dry out and dispose of it, together with the empty packaging, at the proper waste disposal.

**Remark:** the cloths and other application material can spontaneously combust >> put the used cloths in a bucket filled with water.

## Maintenance

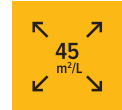
Dry cleaning with a microfibre cloth is required during the 1<sup>st</sup> week, until the oil is fully hardened, to electrostatically absorb the dust. Afterwards, use WASH & WAX AD-5200 for regular maintenance. In case of stained or extremely dirty parquet, INTENSIVE CLEANER AD-9300 can be used. Consult the technical datasheet of said maintenance product.



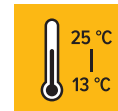
Stir Well



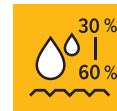
Pad



Consumption



Temperature



Humidity



Drying Time



Inflammable



Layers

# WOOD OIL PU-XXXX

TECHNICAL DATASHEET 5/5

## Chemical resistance

Below you can find the result of the chemical resistance test of WOOD OIL PU-XXXX, applied in 3 layers (total of 80 g/m<sup>2</sup>), in accordance to the European standard EN 13442. All below-shown tests were completed at an initial temperature of 20 °C.

**5:** No visible damage | **4:** Slight changes in colour or gloss | **3:** Slight changes in colour or gloss, without changes in the structure of the oil layer | **2:** Visible changes in colour or gloss, without changes in the structure of the oil layer | **1:** Visible changes in colour or gloss, structure of the oil layer is damaged | **0:** Badly damaged surface

To obtain '5' on every level will depend on the quantity of applied oil. View 'Application' on 4/5.



**5**  
Water  
24 hours



**5**  
Detergent (10 %)  
24 hours



**5**  
Acetone  
120 sec



**5**  
Ethanol (50 %)  
24 hours



**5**  
Red wine  
24 hours



**5**  
Vinegar (4 %)  
24 hours



**5**  
Olive oil  
24 hours



**5**  
Milk  
24 hours



**5**  
Coffee  
24 hours



**5**  
Black tea  
24 hours



**3**  
Black ink  
24 hours



**3**  
Ammonia (10 %)  
8 hours



PU-0900  
transparent



PU-9800  
clear raw wood look



PU-9300  
raw wood look



PU-9010  
alpine white



PU-5280  
white



PU-7047  
brown grey



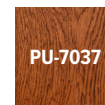
PU-7305  
brown antique



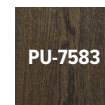
PU-5395  
grey



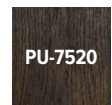
PU-7930  
cathedral grey



PU-7037  
redwood



PU-7583  
olive green



PU-7520  
wenge

### Disclaimer

Due to the versatility of the products, application possibilities and application processes, this information is only given with the purpose to inform. It is highly recommended to check by yourself prior to performing the final works. Our experience has taught us that every user develops his own way of working. This information was provided, oral or written, on the explicit demand of the client. This information is given in good faith and based on the current experience of Basin ChemEco nv. There cannot be inferred by any means any responsibility on behalf of Basin ChemEco nv. Prices can change - the technical files can be modified by Basin ChemEco nv at any time without preceding inform - Basin ChemEco nv is not responsible for results caused by incorrect use of the product & instructions such as e.g. quantities, timing, choice of material, temperature, subsoil, influence of light etc. No guarantee whatsoever is given for a renovation.

**Basin ChemEco nv**  
Gravestraat 7A  
B-8750 WINGENE  
T : +32 51 65 00 10  
F : +32 51 65 81 05  
info@basin.be



www.basin.be