

## **Naturtrend Hartöl NHO**

### **Product description**

Naturtrend Hartöl NHO is a grain emphasising, very deeply penetrating, open pore natural product with high filling power. Surfaces that are treated with NHO are extremely water resistant. Free from toxic substances, solvents as well as allergy causing terpenes (e.g. Citrus terpene, balsam turpentine oil etc.). Naturtrend Hartöl NHO contains nut oil, linseed oil varnish, sunflower oil, poppy seed oil, thistle oil, rapeseed oil, wood oil as well as lead and barium free drying substances.

### **Range of application**

For all indoor surfaces that are to be used a lot. For example:  
All types of wooden floors, staircases, wooden pavements, industrial hardwood floors, working surfaces for kitchens and work or repair shops, blockboard and other wooden objects.

### **Surfaces**

All types of soft and hardwood, including exotic timber, solid or laminated (also stained – see technical data sheets), cork, stone.

### **Preparation**

The surface must be dry (wood humidity not more than 14%), grease and dust free. The wood sanding must be carefully carried out. Recommendation: in steps 180 – 220 – 280 – 320 grit paper. The finer a sanding you choose, the smoother the surface will become. For floors a wood sanding with 180 up to 220 grit paper might be sufficient. However, in this case the application must be carried out in such a way that no sanding traces are to be seen. Under certain circumstances this means add oil twice with the corresponding Naturtrend Hartwachs – fest – NHW aftertreatment.

### **Application**

Example: Application of Naturtrend Hartöl NHO as first time layer on already laid wooden floors or staircases. Apply evenly and wet with an oil resistant roll or brush (spraying with a flow cup or electrical hot spray guns is also possible, however, with relatively low pressure and normal nozzle diameters, for further information contact ATA ZWEIHORN). At those spots where the oil penetrates the surfaces and appears to be dry, you must immediately roll over, brush or spray again until the oil stays evenly wet on the entire surface. If e.g. a floor is treated like that, then the surface can also be touched during the work with clean shoes. After approximately 40 – 60 minutes, the layer of excessive oil must be removed with a rubber knife or wiper. Then the remaining oil is immediately rubbed into the wood by hand with a cloth, or by machine with a suitable fine sanding pad. No oil must remain visible on the surface. 24 hours later the surface must either be polished by hand or with a soft white sanding pad. In doing so the wear resistance is dramatically increased. After that the floor must only be stepped on with socks or shoes with felt soles for 24 hours. Completely usable is the surface only after 8 – 10 days. During this time it must not come into contact with water, either. The longer the surfaces are treated with care during the first few days, the longer the floor will last. To cover the floor do not use plastic foils but corrugated cardboard with the wavy side facing down. With 1 litre you can treat approximately 8 – 15 m<sup>2</sup>. In case of strongly absorbing floors (wooden pavement, head block, etc.) the quantity is naturally much higher. Therefore, we recommend e.g. to apply Naturtrend Hartöl NHO richly on beech wood, which through its hardly visible, but still existing capillary texture allows large quantities of oil to penetrate without showing signs of saturation on top of the surface. After drying overnight carry out the second work step as described above. In case of such strongly absorbing woods, the total consumption is increased by 3 – 4

times. The described application method is floor and stair specific. Other wooden parts such as furniture parts, doors, shelves or cabinet parts etc. may of course also be treated with Naturtrend Hartöl NHO, even using dipping process or rolling application. An aftertreatment with Naturtrend Bienenwachs Balsam NBW or Hartwachs – fest – NHW is possible. When using Hartwachs – fest – NHW the resistance can be increased substantially. See special notes at the end of the technical data sheet. **Important**

**Note:** Cloth soaked in Naturtrend Hartöl must either be kept in water or closed airtight containers.

**There is a danger of self ignition!**

### Aftertreatment/Care instructions

Depending on their use, surfaces treated with Naturtrend Hartöl NHO must be worked over with the same material after certain amounts of time. Appropriate cleaning: Normal vacuuming or sweeping. If the floor is very dirty, mix the water with some Holzbodenseife NHS (~ 250 ml in 10 l of water). Do not wipe too wet. Afterwards for better care evenly apply Naturtrend Pflegemilch NPM. Let dry without polishing.

### Product data

Batch sizes	750 ml, 5 l, 30 l
Viscosity at delivery DIN – 4 mm	~25 sec. DIN 4 mm
Shelf life in unopened original batches	2 years

### Special notes/Characteristics

- Cleaning of the tools with Naturtrend Holzbodenseife NHS or white spirit.
- Naturtrend Hartöl NHO is **biodegradable**, however, it must not be drained into the sewage system.
- Naturtrend Hartöl NHO can be processed with smooth transition, it is extremely heat resistant (up to 120° C), step proof and dirt resistant.
- If wood surfaces are treated with Naturtrend Hartöl NHO or Hartwachs – fest – NHW, no definite drying times can be assumed. Terms such as dust dry or sandable in the usual sense are not relevant. Comparisons with conventional varnishes cannot be applied.

### Meets the following test standards:

- a) DIN 53160 saliva and sweat resistant (suitable for children's toys).
- b) EN 71-3 (free from soluble heavy metals; suitable for children's toys).
- c) DIN 68861 Part 1, Resistance group C (Part 1, Resistance group B partly)

Zweihorn products are produced for the professional user, who has a basic knowledge of the stockturn and the application of stains, varnishes, glazes and glues. The user information for our qualities given in the leaflets should be regarded as non-binding recommendations. They are based on our test series and experiences and should facilitate and promote the work of our clients. A possible necessary adjustment to the individual working conditions lies within your responsibility. If in any doubt, our material experts as well as our application and laboratory technicians will try to help you as best as they can. We guarantee of course the impeccable quality of our products based on our General Sales and Delivery Conditions. All current technical data sheets are herewith voided. The use of the final product lies entirely within the responsibility of the buyer. As long as we haven't guaranteed in writing specific characteristics and suitabilities of the products for a contractually agreed purpose, any advice or information given regarding the application, even if the advice or information is given to the best of our knowledge, will be non-binding. Nor does it relieve the buyer, either from his own inspection, and if need be through a trial processing. Furthermore, we are only liable according to Chapter 1 of our General Conditions for advice either given or rejected, which does not refer to the characteristics and use of the delivered product..