

1	GENERAL INFORMATION
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Querkus panels are produced with the utmost care. To enjoy the product for a long time, appropriate protection is recommended. The Querkus panels are delivered untreated and must therefore be further finished with an oil or varnish.

2	VARNISHING
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Varnish provides a protective layer on wood. This protects the veneer against moisture and damage from external factors.

There are many different types of varnish and various ways to apply them. Depending on the product, more or less layers must be applied in order to achieve the desired combination of strength and appearance (matt). These factors will determine the final strength of the varnish layer. The more varnish is applied, the more the wood is protected but the less natural it will look. Therefore, it is often a matter of finding the right balance between protection and natural look. Also take into account the application of the piece of furniture (worktop, cabinet front,...).

If you wish to protect Querkus with varnish, we recommend a product from Hesse-Lignal. The varnish type and step-by-step plan below protects the wood for interior use while preserving its natural colour.

### **HESSE PURA-NATURA HDE 52-0**

Mixing ratio (volumetric) : 10/1 PURA-NATURA Hardener HDR 72.

The two-component hydro acrylate PUR lacquer PURA-NATURA gives wood a natural wood effect (gloss  $3\% \pm 5$ ), which is very good for the natural appearance of the wood.

The surface has a high scratch resistance and is highly resistant to the most common household chemicals. The inclined and lightfast 2K system varnish is used for priming and varnishing of light wood species.

# Technical info

Querkus – finishing advice



**Surface preparation:** The surface must be thoroughly sanded and must be dry and free of oil, grease, wax, silicone and sanding dust. Grain size for sanding between 100 and 120. The quality and uniformity of the wood and intermediate sanding are decisive for the end surface. After sanding, make the panels free of dust according to the instructions.

**Application:** 1 layer HDE 52-0 with 10/1 HDR 72, then intermediate sanding with grain 320-400, application of 1 layer HDE 52-0 with 10/1 HDR 72. After sufficient drying: first maintenance with Hesse PROTECT-CLEANER PR 90.

**Instructions:** Stir the varnish well by means of a stirring rod. Add the correct amount of hardener to the original paint package and stir well for 1 to 2 minutes. Do not mix in a container. Pay close attention to the mixing ratio, even in partial quantities, and stir the mixture well. Press the sieve into the pouring opening, pour the varnish / hardener mixture into a suitable container and use it while working! Only use the mixture within the specified processing time. Do not store material to which hardener has been added in closed containers. Do not use electric mixers due to risk of foaming or bubble formation!

Respect the drying time as indicated on the manufacturer's technical data sheet.

The user should test the application of this product against the conditions and possibilities that apply to him. Please read the complete product data sheet carefully at [www.hesse-signal.de](http://www.hesse-signal.de).

3	OILING
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Wood oil does penetrate the wood and results in a more natural look and feel than varnish. In the absence of a protective film that captures everything, however, the wood remains more susceptible to damage. After a while the saturation disappears and the wood needs to be fed again to maintain the same level of protection. The big advantage, however, is that this can be done without having to sand everything again. There are also oils that already offer sufficient protection with one layer.

If you wish to protect Querkus with oil, we recommend Ciranova. The product below protects the wood for interior use while preserving its natural colour.

**OCULTO** is an invisible, environmentally friendly, water-based PU impregnation oil for wooden flooring and furniture. The wood maintains its original untreated appearance. OCULTO is only suitable for interior applications.

# Technical info

## Querkus – finishing advice



**Substrate preparation:** Prepare the surface according to the rules of art (grease, dirt and dust free), sand the wood with grain 120 – 150 and remove the sanding dust.

**Application:** apply OCULTO as well as primer and topcoat and in 2 layers. Stir the product well before use and do not dilute. Apply the product with a roller or brush. A short-haired roller is recommended. Apply the first layer wet to avoid overlaps. After drying of the first layer, sliss with 150-180 grain and apply the second layer in the same way as the first layer. After the 2<sup>nd</sup> layer, an optional 3<sup>rd</sup> layer with a hardener (10%) can be applied to increase the resistance even more. Mix the hardener slowly while stirring with the OCULTO to a homogeneous whole.

**Note:** Due to the specific properties of Querkus Oak Retro Baltimore and Querkus Oak Vintage Baltimore, the veneer may turn reddish brown. For this reason, the use of Ciranova OCULTO is not recommended on this type of veneer.

**Instructions:** Use only stainless material. Clean all equipment with water immediately after use. The user should check the application of this product against the conditions and possibilities that apply to him. Please read the complete product data sheet carefully at [www.ciranova.eu](http://www.ciranova.eu) .

Respect the drying time as indicated on the manufacturer's technical data sheet.

## 4 OTHER DOCUMENTS

- Technical standards MDF panel
- General technical info
- Querkus brochure
- Pure wood Charter
- FSC® Certificate

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