The perfect high-gloss surface with Crystallit® Two-Pack PUR High-Gloss Varnish

Preparation of the paint or varnish coating composition

The most important condition for high-gloss coating composition, whether coloured or transparent, is the preparation of the substrate.

Clear varnish composition:

Depending on the pore appearance and the wood used, the substrate might require repeated transparent filling. We recommend using Crystallit® Filling and Insulating Primer, hardened with 20% of PUR 5085 for optimum results. Drying overnight is recommended before the surface is treated further. A longer drying time improves the stability significantly.

Coloured paint composition:

As substrate, MDF and MDF with priming foil are used in most cases. After drying, the last filter coat is slightly sanded (P4000) and coated with Wigranit® Novacolor WNC of the desired colour. After a drying time of approx. three to a maximum of eight hours, further high-gloss composition with Duritan® Two-Pack PUR High-Gloss Varnish CL-H can be applied. The paint must not be sanded. If the final coat with CL-H cannot be applied within the stated period of time, the paint must be sanded and first and coated again with Wigranit® Novacolor WNC of the desired colour.

Varnishing with Crystallit® Two-Pack PUR High-Gloss Varnish CL-H

The properly prepared surfaces are coated with Crystallit® Two-Pack PUR High-Gloss Varnish CL-H. After every 14 hours approx., surfaces are slightly sanded and coated with CL-H again. For the subsequent polishing procedure, at least three high-gloss varnish coats in accordance with the technical Data Sheet are required.

Polishing preparations

After a curing time of three days, both, dry and wet sanding is possible. Important are the use of a very good rotary sander with excellent dust extraction (during dry sanding) and the generous use of fresh sanding paper (P1200, P1500, P2000). Never sand by hand when the product is applied on the entire surface.

Polishing with High-Gloss Grinding Paste HSP

High-Gloss Grinding Paste HSP is applied with a rotating polishing machine with a lambkin. First, apply the paste onto the lambskin and manually distribute it on the surface without polishing. Then start the polishing process at lowest speed and slowly increase the speed. The polishing machine is passed over the surface with low pressure while moving constantly, so that the surface does not become too hot. The surface can also be cooled during polishing by means of a water sprayer. High-Gloss Polishing Paste HPP can be applied several times onto a surface until a satisfactory result is obtained. On dark surfaces, the product can be finally applied with a smooth polishing pad or a waffle pad.

Cleaning of the surface from polishing residues

Possible residues of the polishing pastes can be removed from the surfaces with a mixture of 1 part of Thinner S3 and 1 part of tap water. The mixture is applied with a lint-free cloth and the surface is cleaned carefully. In case the result should not be satisfying, the surface must be polished again. If the result is satisfactory, sealing can be made with High-Gloss Care HGP.

Sealing with High-Gloss Care HGP

For sealing the polished high-gloss surfaces we recommend using High-Gloss Care HGP. Smallest surface defects are removed and sealed. After the application of the product, an agreeably smooth surface with dust-repellent effect is obtained. Moisten a clean, soft lint-free cloth with High-Gloss Care HGP. Smallest surface defects are removed and sealed. After the application of the product, an agreeably smooth surface with dust-repellent effect is obtained. After the application of the product, an agreeably smooth surface with dust-repellent effect is obtained.

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Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of Issue: 2016-03-04

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