

Duritan® 2K-Porenspachtel, transparent DT-PS



Product description

Duritan® 2K-Porenspachtel DT-PS is a transparent surface filler system to fill wood pores. If wood, which is difficult to varnish, is pre-treated with this product, the need to apply several coats of varnish is dropped. Duritan® 2K-Porenspachtel DT-PS features, like all other varnishes of the Duritan® series, ultra-fast curing and extreme brilliance on all types of wood. Due to its solids content of 100%, later caving of the surface in the wood pores is reduced to a minimum with this filler system. Duritan® 2K-Porenspachtel DT-PS can be easily mixed and processed.

Range of application

Duritan® 2K-Porenspachtel DT-PS is suitable for quick, closed-pore coating of wood for all interior objects of higher value. The product with highest brilliance and transparency was especially developed for high-quality interior construction with noble wood coatings.

Surfaces

All common types of coarse-pore wood and wooden materials, even if treated with Zweihorn® stains, except wax stains. Please see 'Application' and 'Special notes'.

Preparation

For raw wood surfaces a graduated sanding must be carried out (120/150/ possibly 180 grit paper). Dust well. Do not sand stained surfaces.

Mixture	
Component A	Duritan® Porenspachtel Bindemittel
Component B	Duritan® Porenspachtel Härter
Mixing ratio (binder/hardener)	1 : 1
Pot life	after mixing approx. 1 hour (without exposure to UV light)

Thinner

Not required.

- Use Zweihorn® Universalreiniger UR for cleaning of tools

Application

Duritan® 2K-Porenspachtel DT-PS consist of component A (binder) and component B (hardener). These two components are thoroughly mixed in a mixing ratio of 1:1. There is no need to add an activator! When Duritan® 2K-Porenspachtel DT-PS is processed, the product must be protected against direct solar radiation and/or the scattered light of the Duritan® large-scale exposure system or the hand radiator, so that the stated pot life can be met. After taking of the material, the tubes must be immediately closed. Do not exchange the caps of the tubes in order to prevent undesired hardening in the tubes. We recommend mixing the desired quantity of the components on a clean mixing board or in a clean mixing vessel. After mixing, the filler compound can be directly put onto the surface to be filled. Duritan® 2K-Porenspachtel DT-PS

can be applied onto the raw wood. The surfacer can also be applied directly on stained surfaces. All Zweihorn® stains, with the exception of wax stain, can be used. Prior to surfacing, a thin layer of Duritan® 3K High-Solid Füllgrund DT-F can be applied, exposed and sanded, in order to obtain stronger emphasis of the wood grain. Take care that the procedure is the same for the entire object in order to prevent colour variations. On the surface, the mixture can be distributed by means of the plastic spatula contained in the set, by means of a Japanese spatula or a rubber knife. When doing so, Duritan® 2K-Porenspachtel DT-PS is first worked in across the grain and then in the direction of the grain. Excess and remainders of the filler should be removed as long as the material is liquid, because sanding would be much more difficult after curing. Profiles can be coated with a brush or a cloth. Excess can be removed with a clean lint free cloth. On sharp inner edges the excess must be removed by means of a hand spatula. Prior to the exposure it must be ensured that the filler has been evenly distributed and that the excess has been removed. Dirty tools can be best cleaned with Zweihorn® Universalreiniger UR as long as the material is liquid. When coming into contact with Duritan®, other thinners could cause unintended reactions with the result that the material cures within a few seconds. The filled workpieces can be directly cured with the Duritan® large-scale exposure system or the Duritan® hand radiator without any drying time. The minimum exposure time must be kept. This time may slightly vary depending on the surface. Depending on the distance to the light source, dark surfaces might require a longer exposure time. After the exposure, Duritan® 2K-Porenspachtel DT-PS needs a rest time to cure. Then sanding or further coating can be done. If Duritan® 2K-Porenspachtel DT-PS has been directly applied on stained surfaces or if stained surfaces have been primed with Duritan® 3K High-Solid Füllgrund DT-F prior to surfacing, cured surfaces must be slightly sanded (400 grit paper or abrasive sponge) in order to minimize the risk of sanding through, and processing must be continued within 6 hours, in order to ensure perfect bonding.

Application methods	
Metal spatula, brush, cloth	
Coverage per application (g/m ²)	30-50
Yield (m ² /300 g Set)	6-10

Production times	
Evaporation time after application	n. a.
Exposure time with surface radiator at a distance of 1.50 metres max	20 min.
Rest time before further processing (sanding, stacking, loading)	20 min.

The times indicated are minimum times and are applied under optimum working conditions if the parameters stated in this Technical Data Sheet are met and if the exposure systems prescribed by Zweihorn® are used. The times can generally be extended, if required. For further information about best exposure see the separate Duritan® exposure manual.

Aftertreatment

After intermediate sanding (240 to 400-grit paper) and after careful dust removal, the surface can be filled with the same material or coated with Duritan® 3K High-Solid Füllgrund DT-F within one workday (max. 8 hours) in order to ensure perfect adherence. It is also possible to create the surface with Zweihorn® varnishes from the Crystallit®, Diadur®, Duocryl Top- or Variocryl® series.

Product data	
Duritan® 2K-Porenspachtel DT-PS	1 set, consisting of: - 150 g component A (binder) - 150 g component B (hardener) - 1 1 (one) solvent-resistant plastic spatula - 5 (five) wooden mixing spatulas
Viscos. at deliv.	pasty
Shelf life in unopened original batches	2 years

For further information see the label and the Safety Data Sheet according to 91/155/EWG, which you can find on our website www.zweihorn.com or which you can request from us.

Special notes

- ▶ Duritan® 2K-Porenspachtel DT-PS is sensitive to light. After taking of the material, the tubes must always be closed. Protect the mixture against sunlight and the Duritan® exposure system.
- ▶ Never mix products of the Duritan® system with other products not mentioned in this datasheet.
- ▶ Clean tools with Zweihorn® Universalreiniger UR. Never use other thinners than indicated. Be careful with universal or washing thinners made by other manufacturers. These could cause immediate unintended reactions (curing) of Duritan® 2K-Porenspachtel DT-PS.
- ▶ Residues of Duritan® on fingers or cleaning tissues may cause surface failures (fingerprints) when coming into contact with objects to be varnished.
- ▶ 2K-Porenspachtel DT-PS is suitable for filling of wood pores. Filling of larger holes or imperfections or applying layers that are too thick will lead to milky, hazy results.
- ▶ Carefully remove any excess material prior to the exposure. After curing, differences in the layer thickness can be hardly removed.
- ▶ Due to the absorption of light, dark wood and stained wood may require longer exposure and curing times. Always make a test with this kind of surfaces.
- ▶ Always sand and dust coatings with polyurethane (PUR) materials shortly before further treatment in order to ensure perfect bonding.
- ▶ Do not process and dry Duritan® 2K-Porenspachtel DT-PS under 15 °C.

Please follow the relevant test certificates for our products, which can be downloaded from our website "www.zweihorn.com" or requested from us.

Zweihorn® products are produced for the professional user, who has a basic knowledge of the use 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. Any adjustment to the individual working conditions, which might be possible, 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. The use of the final product lies entirely within the responsibility of the buyer. As long as we have not guaranteed in writing specific characteristics and suitability 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.

Applicable is the current Technical Data Sheet, which can be downloaded under www.zweihorn.com. Previous technical data sheets are voided with the issue of a new version.

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