

Purolit 2K-PUR Top-Klarlack PL-T 8, 9



Product description

Purolit 2K-PUR Top-Klarlack PL-T is an especially abrasion-resistant two-pack polyurethane primer and coating varnish for mechanically highly stressed wood surfaces. The outstanding chemical and scratch resistance guarantees the extremely good wood surface quality. Purolit 2K-PUR Top-Klarlack PL-T is extremely lightfast and can therefore be used as coating varnish for Wigranit® Novacolor Buntlack WNC/colour.

Range of application

Purolit 2K-PUR Top-Klarlack PL-T is only suitable for the finishing of interior furniture surfaces. Due to its excellent scratch resistance it is very well suitable for extremely stressed furniture surfaces in, for example, offices, kitchens, bathrooms, restaurants, schools and discoteques. It is also suitable for interior fittings in spaces other than buildings, e.g. campers, caravans, railway carriages, airplanes, etc.

Surfaces

All common wood and wood materials. Hardboard and MDF boards in moisture-proof applications, as well as some woods rich in resin or other ingredients (e.g. some pine, teak or wenge types) should first be insulated with Plastiklack S 7000. All Zweihorn® stains (with the exception of wax stain) and Wigranit® Novacolor paint can be used.

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.

Gloss levels		
Product number	PL-T 8	PL-T 9
Gloss level	silk	silk-lustre
Measuring value acc. to DIN 67530. at 60°	approx. 30	approx. 20

Hardening	
Hardener	PUR-Härter 4084
Mixing ratio (lacquer/hardener)	10:1
Pot life	approx. 36 h at 20 °C, 65 % relative humidity of air

Thinner

PUR-Verdünner S 8003 (normal drying)
PUR-Verdünner S 9029 (slow drying)

Application

Shake or stir well before use!

Purolit 2K-PUR Top-Klarlack PL-T and PUR-Härter 4084 are carefully mixed. Add PUR thinner as required. This mixture is initially applied as a primer and then, after drying and intermediate sanding (240-grit paper) as a top coat. Sanding with automatic sanding machines only after drying overnight. After intermediate sanding carefully remove the sanding dust. As primer coat, Crystallit® 2K-PUR Füllgrund CL-F or Diadur® 2K-PUR Füllgrund DD-F can also be used. If Purolit 2K-PUR Top-Klarlack PL-T is applied by roller application on furniture, the flow characteristics can be improved by adding up to 20 % of PUR-Verdünner S 9029 to the varnish. If this should not be sufficient or if the temperature is higher, we recommend adding up to 5 % of Verzögerer VZ. Purolit 2K-PUR Top-Klarlack PL-T should have good temperature (we recommend 18 - 20 °C). The object to be coated should not be colder than 18 °C and should be dry. When applying a second or third coat, please take care that the previous varnish layer is completely dry.

Application methods	Spraying		Roller	Pouring
	High-/Low pressure	Airless/Airmix		
Spray pressure (bar)	1.5-3.0	110-130	–	–
Nozzle size (mm)	1.6-2.0	0.23-0.28	–	–
Thinner added (%)	as required	as required	as required	as required
Processing viscosity DIN 4 mm (sec.)	approx. 25	approx. 25	approx. 25	approx. 25
Coverage per application (g/m ²)	100-120	100-120	100	100-120
Yield (m ² /l)	8-10	8-10	10	8-10

Drying time (at 20°C room temperature, 65 % relative humidity of air)	
dust-dry	approx. 20 min.
touch-dry	approx. 1 h
sandable	approx. 2 h
transportable	overnight

Aftertreatment

Purolit 2K-PUR-Top-Klarlack PL-T can be worked over at any time with the same material after prior sanding and dusting.

Product data	
Batch size PL-T	20 l
Batch sizes Härter PUR 4084	2.5 l, 12.5 l
Viscosity at delivery DIN 4 mm	approx. 30 sec.
Shelf life in unopened original batch	approx. 2 years

For further information see 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

- ▶ Whenever polyurethane (PUR) material is to be applied as a coating, sand surface and remove dust thoroughly just before commencing with further treatment to guarantee perfect bonding.
- ▶ Do not process and dry PUR varnishes under 15°C.
- ▶ PUR hardeners are sensitive to moisture. Always store in tightly sealed containers.
- ▶ Pay attention to the Safety Instruction appearing on the label whenever you handle PUR hardeners.
- ▶ PUR hardeners should be stored under cool and dry conditions for not longer than approx. one year in the closed original batch.
- ▶ Purolit 2K-PUR-Top-Klarlack PL-T can also be used on bleached wood (peroxide-resistant).

Meets the following test standards:

- Chemical exposure of furniture surfaces according to DIN 68861/1B
- EN 71-3 Free from soluble heavy metals (CE approval)
- DIN 53160 Part 1 and Part 2 Saliva and sweat proof (CE approval)
- Flame resistant according to DIN 4102/B1 on B1-tested particle board, also veneered
- DIN 5510. Part 2 - Fire prevention in railway applications

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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