

Crystallit® 2K-PUR-Aufhellack, farblos CL-A



Product description

Crystallit® 2K-PUR Aufhellack farblos CL-A is a quickly drying two-pack polyurethane varnish for open-pore varnishing. PVC-resistant, chemical resistant. For the maintenance of the original stain colour shades and the natural wood colour shade of light wood.

Range of application

Crystallit® 2K-PUR Aufhellack CL-A is only suitable for the finishing of interior furniture surfaces, which are subject to greater stress. In case of moisture-proof applications, such as kitchens and bathrooms, we recommend applying a final coat with Crystallit® 2K-PUR Klarlack CL 7, 8, 9, 0. 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. Crystallit® 2K-PUR Aufhellack CL-A is particularly suitable as primer and coating varnish for softwood, which has been stained with Positiv-Fertigbeize PBF. Due to the low wetting behaviour, the positive stain appearance and the original stain colours in the light colour range (pastel shades) are maintained. The natural wood colour of light wood is also maintained well.

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	CL-A
Gloss level	dull matt
Measuring value acc. to DIN 67530 at 60°	5

Hardening	
Hardener	PUR-Härter 5085
Mixing ratio (lacquer/hardener)	20:1
Pot life	approx. 24 h at 20 °C, 65 % relative humidity of air

Thinner

PUR-Verdünner S 9004 (normal drying)
PUR-Verdünner S 9029 (slow drying)

Application

Stir well before use!

Crystallit® 2K-PUR Aufhellack CL-A and PUR-Härter 5085 are carefully mixed. Add PUR-Verdünner as required. The mixture is first applied as primer, and, after drying and intermediate sanding (280-grit paper) as coating varnish. In order to obtain resistance against grease and cream (e.g. in bathroom or kitchen areas), Crystallit® 2K-PUR Klarlack CL 7, 8, 9, 0 must be used for the final varnish! Carefully remove the sanding dust after each intermediate sanding. Spraying, pouring or roller application can be used.

	Spraying		Pouring
	High/Low pressure	Airless/Airmix	
Spray press. (bar)	1.5-3.0	110-130	-
Nozzle size (mm)	1.6-2.0	0.23-0.28	-
Thinner added (%)	5-10	-	-
Processing viscosity DIN 4 mm (sec.)	18-20	25	25
Coverage per application (g/m²)	100-120	120	100
Yield (m²/l)	8-10	8-10	10

Drying time (at 20°C room temperature, 65 % relative humidity of air)	
dust-dry	approx. 15 min.
touch-dry	approx. 30 min.
sandable	approx. 1 h
transportable	overnight

Aftertreatment

Crystallit® 2K-PUR-Aufhellack CL-A can be worked over at any time with the same material or with Crystallit® 2K-PUR-Klarlack CL 7, 8, 9, 0.

Product data	
Batch size CL-A	5 l, 25 l
Batch sizes Härter PUR 5085	0.5 l, 2.5 l, 12.5 l
Viscosity at delivery DIN 4 mm	approx. 25 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.
- ▶ Crystallit® 2K-PUR-Aufhellack CL-A can also be used on bleached wood (peroxide-resistant).
- ▶ If higher UV resistance is required, Spezial Sunblocker SB can be added to the varnish. See the Technical Data Sheet for Spezial Sunblocker SB.

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 (only in compositions with all other varnishes of the Crystallit® series except CL-A) on flame resistant, B1-tested particle board, also veneered



DIN 5510 Part 2 - Fire prevention in railway applications



TÜV-Toxproof – The label for low-emission paints

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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