

## Crystallit® 2K-PUR-Klarlack CL 7, 8, 9, 0



### Product description

Crystallit® 2K-PUR Klarlack CL CL is an especially quickly drying, high-build two-pack polyurethane varnish to be applied on furniture. It is suitable for open-pore varnishing with surpassing nice pore appearance. Closed-pore wooden furniture surfaces can easily be made by means of Crystallit® Füllgrund CL-F. Crystallit® 2K-PUR Klarlack CL is also suitable as final coat on furniture surfaces that have been made with Wigranit® Novacolor paint. Crystallit® 2K-PUR Klarlack CL is extremely lightfast, PVC resistant, chemical resistant according to DIN 68861, Part 1, stress group B.

### Range of application

Crystallit® 2K-PUR Klarlack CL is only suitable for the finishing of interior furniture surfaces. Especially for furniture surfaces, which are subject to greater stress in areas such like kitchens and bathrooms, restaurants, schools, discoteques, offices, etc. It is also suitable for interior fittings in spaces other than buildings, e.g. campers, caravans, railway carriages, airplanes, ships, 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	CL 7	CL 8	CL 9	CL 0
Gloss level	glossy	silky	silky-lustre	mat
Meas. value acc. to DIN 67530 at 60°	approx. 80	approx. 30	approx. 15	approx. 10

Hardening	
Hardener	PUR-Härter 5085
Mixing ratio (lacquer/hardener)	10:1
Pot life	approx. 36 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 Klarlack CL and PUR-Härter 5085 are carefully mixed. Add PUR thinner as required. The mixture is first applied as primer, and, after drying and intermediate sanding (280-grit paper) as coating varnish. For closed-pore compositions use Crystallit® 2K-PUR Füllgrund CL-F as primer. Carefully remove the sanding dust after each intermediate sanding. The product can be applied by spraying, pouring or roller application.

Application methods	Spraying	
	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 (%)	10-20	-
Processing viscosity DIN 4 mm (sec.)	18-20	25
Coverage per application (g/m <sup>2</sup> )	90-120	120
Yield (m <sup>2</sup> /l)	6-10	7

Drying time (at 20°C room temperature, 65 % relative humidity of air)	
dust-dry	approx. 15 min.
touch-dry	approx. 45 min.
sandable	approx. 1 h
transportable	overnight

### Aftertreatment

Crystallit® 2K-PUR-Klarlack CL can be worked over at any time with the same material after prior sanding and dusting.

Product data	
Batch sizes	5 l, 20 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 batches	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](http://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-Klarlack CL can also be used on bleached furniture surfaces (peroxide-resistant).

### Meets the following test standards:

- Chemical exposure of furniture surfaces according to DIN 68861/1B
- Approved for consumer food applications according to § 31, Chapter 1, Regulations regarding consumer goods for food contact applications
- 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
- Flame resistant according to IMO-Resolution A 653, USCG approval
- Requirements to the surfaces of kitchen furniture according to DIN 68930 regarding the resistance under changing climatic conditions
- 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](http://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](http://www.zweihorn.com). Previous technical data sheets are voided with the issue of a new version.

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