

Summary of colours Colourit

White  light (7-000-1) medium (7-000-2)	Black  light (8-000-1) medium (8-000-2)	Silver grey  light (7-001-1) medium (7-001-2)
Hazelnut  light (9-000-1) medium (9-000-2)	Cocoa  light (9-001-1) medium (9-001-2)	Brass  light (9-002-1) medium (9-002-2)
Sand  light (9-003-1) medium (9-003-2)	Cappuccino  light (9-004-1) medium (9-004-2)	Amber  light (9-005-1) medium (9-005-2)
Cherry  light (9-006-1) medium (9-006-2)	Cinnamon  light (9-007-1) medium (9-007-2)	Rust  light (9-008-1) medium (9-008-2)
Copper  light (9-009-1) medium (9-009-2)	Mahogany  light (9-010-1) medium (9-010-2)	Yellow  light (1-000-1) medium (1-000-2)
Orange  light (2-000-1) medium (2-000-2)	Red  light (3-000-1) medium (3-000-2)	Burgundy  light (4-000-1) medium (4-000-2)
Blue  light (5-000-1) medium (5-000-2)	Green  light (6-000-1) medium (6-000-2)	

Colourit 2K-PUR Lack, koloriert COL 7, 8, 9, 0/colour



Product description

Colourit 2K-PUR Lack COL is a quickly drying, coloured varnish for furniture. The system allows the levelling, transparent, coloured coating of wooden materials without the need to stain before. Due to this advantage, furniture already treated with two-pack PUR varnishes (e.g. from the Diadur[®], Crystallit[®], or Purolit-series) which do not allow subsequent staining, can be provided with another colour. Colourit 2K-PUR Lack COL is available in 20 different transparent, brilliant colour shades in two intensity levels each. Also available are handy foil samples of all the 40 colour shades. These transparent foils allow a preview of the colour shade on the desired furniture.

Range of application

Colourit 2K-PUR Lack COL is only suitable for the finishing of interior furniture surfaces. Kitchen, bath-room, restaurant, school, office furniture, etc. for heavy-duty service can be varnished in brilliant colours without previous staining. It is also suitable for interior fittings in spaces other than buildings, e.g. campers, caravans, 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. pine, teak or wenge, should first be insulated with Plastiklack S 7000. Prior to varnishing with Colourit 2K-PUR Lack COL, all wooden surfaces should be treated with a colourless primer. See 'Application', par. 1.

Preparation

For raw wood surfaces a graduated sanding must be carried out (120/150/ possibly 180 grit paper). Dust well.

Gloss levels				
Product number	COL 7	COL 8	COL 9	COL 0
Gloss level	glossy	silk	silk-lustre	mat
Measuring value acc. to DIN 67530 at 60°	approx. 80	approx. 30	approx. 15	approx. 10

Recommendation: The gloss can be varied by means of a coating varnish, which, at the same time, protects the surface.

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 or shake well before use!

First working cycle: colourless primer coat

Priming must be made with the colourless two-pack varnishes of the Crystallit[®] series (CL-F, CL 7, 8, 9, 0). For closed-pore surfaces we recommend colourless priming with Diadur[®] Füllgrund DD-F or Crystallit[®] Füllgrund CL-F. Please see the separate Technical Data Sheets for these products. After drying of the primer, intermediate sanding is made with 280/320-grit paper. This colourless primer coat must be applied in order to avoid that the surface becomes spotted in the case of strongly absorbing wood.

Second working cycle: coloured paint coat with Colourit

Mix Colourit 2K-PUR Lack COL with 10 % of PUR-Härter 5085 (for dilution see 'Application methods') and apply in an extremely uniform way by spraying only (flow cup: low-pressure HVLP or normal). Various rates of application will result in a varying appearance. The entire object must be painted with the rate of application, e.g. 120 g/m², used at the beginning

Third working cycle: colourless protective coat

After a drying time of at least 1 hour to max. 6 hours apply the final coat without intermediate sanding with Crystallit[®] 2K-PUR Klarlack of the desired gloss CL 7, 8, 9, 0. Please see the separate Technical Data Sheet for this product. This working cycle is required in order to protect Colourit 2K-PUR Lack COL against mechanical wear and to improve the chemical resistance. For surfaces, which are not subject to any wear, this working cycle is not required.

Application methods	Spraying	
	High/Low pressure (recommendation for an even spraying appearance)	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 ²)	90-120	120
Yield (m ² /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.
overpaintable	approx. 1 h
transportable	overnight

Aftertreatment

After 1 to 6 hours max., Colourit 2K-PUR-Lack COL can be overpainted with Crystallit[®] 2K-PUR-Klarlack CL 7, 8, 9, 0 without intermediate sanding. See 'Application', par. 3.

Product data	
Batch sizes COL	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 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.
- ▶ Colourit[®] 2K-PUR-Lack COL should only be applied by practised varnishers with perfect varnishing devices.
- ▶ In order to ensure uniform colour, the prescribed application quantity must be strictly kept to.
- ▶ Prior to the application always make a test on the primed original wood.

Meets the following test standards:



Chemical exposure of furniture surfaces according to DIN 68861/1C. After being varnished with Crystallit[®] 2K-PUR Klarlack CL 7, 8, 9, 0, DIN 68861/1B is obtained



EN 71-3 Free from soluble heavy metals (CE approval)



DIN 53160 Part 1 and Part 2 Saliva and sweat proof (CE approval)

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.

Date of issue: April 30, 2009