

Duocryl Two-Pack PUR Waterborne High-Gloss Varnish DC-HG



Product description	
Description	Two-pack, water-thinnable, lightfast PUR varnish for high-gloss applications.

Range of application	
Description	Almost all wooden furniture in the interior. Especially for noble, high gloss closed-pore surfaces of wooden furniture and of objects coated with pigmented topcoats.

Product data	
Product code	DC-HG
Packaging size	5l
Viscosity at delivery DIN 4 mm (sec.)	42 ± 2
VOC Directive EC limit value for this product (cat. A/e): 130 g/l (2010)	This product contains max. 80 g/l VOC.
Shelf life – Original container unopened	at least 1 year

Gloss levels	
Product number	Gloss level
DC-HG	high gloss

Preparation of substrates		
	Raw wooden surfaces.	Close the pores by applying several coats of Duocryl Waterborne Two-Pack PUR Filling and Insulating Primer DC- FI.
	Surfaces painted with VCC	Topcoat must be applied without intermediate sanding after 4 hours up to a maximum of 24 hours.

Processing	
	Shake or stir well before use!
	Mix and apply the product as described under "Hardener Thinner Additives". During coating and during drying, any incidence of dust must be avoided. In order to improve the high gloss effect and as a preparatory step for polishing after drying overnight, the surfaces should be depickled with P600-1200 grit paper and then be coated again with the same material. In compositions on Variocryl® Color VCC/colour, two coats of Duocryl 2K-PUR Waterborne High-Gloss Varnish DC-HG are stringently required.

Hardener - Thinner - Additives		
	Hardening	20% of PWH 3200
	Dilution	10 % tap water
	Pot life	up to 5 hours

Application	
Spray pressure (bar)	1.5-2.0
Nozzle size (mm)	1.2-1.4
Thinner to be added (%)	10
Processing viscosity DIN 4mm (sec.)	42 ± 2
Coverage per application (g/m ²)	80-100
Coverage (m ² /l)	6-8

Drying time @ 20°C	
Dust dry	at least 1 hour
Touch dry	at least 2 hours
Ready for transport	at least 16 hours
Sandable	at least 8 hours
Polishable	at least 3 days

Products from AkzoNobel Wood Coatings are exclusively produced for professional and industrial users, who have a basic knowledge of the handling and application of chemical/technical products for surface design. The processing instructions for reaching the qualities given in the leaflets should be regarded as non-binding recommendations and do not constitute any warranty. These recommendations are based on our experiences, including test series, and should facilitate and promote the work of our clients. Any potential deviation from ideal working conditions is within the responsibility of our clients and may affect the (end) result of the application. The purchaser is not relieved from his duties to inspect the product and its suitability for the surface to be processed, preferably through trial processing. If in any doubt as to the handling or processing of the purchased product, our material experts as well as our application and laboratory technicians will help you to the best of their ability. AkzoNobel, of course, guarantees an impeccable quality of its products in its product specifications, yet the use thereof lies entirely within the responsibility of the purchaser. As long as we have not guaranteed – in writing – the specific characteristics and suitability of a product for a contractually agreed purpose, any advice or information given regarding the application or handling, even if the advice or information is given to the best of our knowledge, will not be binding nor will it constitute a warranty. AkzoNobel's liability for the use of its products by its customers is limited in its General Sales and Delivery Conditions, to which the purchaser is hereby referred. The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 2024-06-28 / 19







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Aftertreatment

After previous sanding with P600-1200 grit paper, the surface can be retreated with the same product at any time. For subsequent polishing, we recommend applying at least two coats of the product. Polishing is possible after the indicated period of time. Step-by-step instructions for the preparation of a perfect high-gloss surface can be found in a separate description.

Test standards

	DIN 68861/1B Chemical exposure of furniture surfaces
	EN 71-3 Migration of soluble heavy metals
	Requirements to the surfaces of kitchen furniture according to DIN 68930 regarding the resistance under changing climatic conditions.
	Materials and articles in contact with foodstuffs / plastics based on UNI EN 1186-5: 2003
	General appraisal certificate with regard to low flammability according to DIN 4102/B1 on hardy inflammable B1-tested wooden particle boards, even veneered.
	Requirement for furniture surfaces in regards to their resistance to temperature changes

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