









Duritan® Three-Pack High-Solid High-Gloss Varnish DT-HG



Product description		
Description	Lightfast, three-pack PUR high-gloss varnish with ultrafast curing and extremely high solids content. The product is non yellowing and cured with UV light (flood lamp or sunlight). For this product, you need special equipment. Please ask your Zweihorn® consultant.	
Range of application		
Description	Almost all wooden furniture in the interior. The product was especially developed for noble, closed-pore, brilliant wood coatings.	
Product data		
Product code	DT-HG	
Viscosity at delivery DIN 4 mm (sec.)	17 sec. ± 2	
VOC Directive EC limit value for this product (cat. A/j): 500g/l (2010)	This product contains 345 g/l VOC max.	
Shelf life - Original batch unopened	at least 2 years	
Duritan® Activator DA2	125 ml	
Duritan® Hardener DH1	5 l	
Duritan® High-Gloss Varnish DT-HG	5 l	
Gloss levels		
Product number	Gloss level	DIN 67530 Angle of 60°
DT-HG	high gloss	98 ± 2
Preparation of substrates		
	Surfaces prepared with Duritan® Three-Pack High Solid Sealer.	P240 / P320
	Surfaces painted with Wigranit® Novacolor WNC/Colour.	To be applied within 3 to 6 hours without sanding. See 'Special notes'.

Processing		
	Stir thoroughly! Pay special attention that the exact amount of Activator is added.	
	Apply the product carefully absolutely complying with all parameters such as nozzle size, pressure, distance, quantity applied, etc.	
	During processing, protect the product against direct sunlight in order to avoid premature curing.	
Hardener - Thinner - Additives		
	Hardening Activation	by weight: 100 parts of DT-HG 100 parts of Hardener DH1 2 parts of Activator DA2 by volume: 100 parts of DT-HG 100 parts of Hardener DH1 2.5 parts of Activator DA2
	Dilution	
	Pot life	up to 8 hours
Application		
		
Spray pressure (bar)	2.5-3.0	
Nozzle size (mm)	1,0-1,6	
Processing viscosity DIN 4mm (sec.)	17 sec. ± 2	
Coverage per application (g/m²)	80-120	
Coverage (m²/l)	7 - 10	
Coverage for IMO/USCG per application (g/m²)	120	120

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: 2022-07-14 / 18





Duritan® Three-Pack High-Solid High-Gloss Varnish



Drying time @ 20°C	
Polishable	at least 2 hours Recommendation from 12 hours to 5 days max.
Flash off time after application	at least 10 minutes
Exposure time with exposure panel	at least 10 minutes
Rest time before further processing	at least 10 minutes

Drying time
All times are minimum times and can be increased at will.

Aftertreatment
After sanding with P280-320 grit paper, the surface can be retreated with the same product at any time. Polishing is possible after the indicated period of time. For the Duritan® system, the special products High-Gloss Grinding Paste HSP and High-Gloss Polishing Paste HPP have been developed. Please see the separate Technical Data Sheets for these products. 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
	Abrasion resistance according to DIN 68861, Part 2
	EN 71-3 Migration of soluble heavy metals
	DIN 53160 Part 1 and 2 Resistance to saliva and sweat
	General appraisal certificate with regard to low flammability according to DIN 4102/B1 on hardly inflammable B1-tested wooden particle boards, even veneered.
	Hardly inflammable according to the Marine Equipment Directive MED 2014/90/EC.
	Requirement for furniture surfaces in regards to their resistance to temperature changes
	Tox Control - The label for low-emission furniture coatings

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: 2022-07-14 / 18

EMEA HQ
Akzo Nobel Hilden GmbH ● Düsseldorf Str. 96 - 100 ● 40721 Hilden ● Germany ● www.akzonobel.com/wood

AkzoNobel