

Wigranit® Novacolor Hochglanz WNCH/Colour

Product description

Wigranit® Novacolor Hochglanz WNCH is a high-build two-pack polyurethane paint with extreme solids content for high-gloss coating of all types of wood-based material. Chemical resistance according to DIN 68861, Part 1, stress group B, PVC-resistant, outstandingly lightfast. A perfect mixing system allows the preparation of almost all colour tones desired, such as RAL, Sikkens, NCS or according to your own sample.

Range of application

Wigranit® Novacolor Hochglanz WNCH can be applied for interior applications where high-gloss surfaces shall be achieved, e.g. for kitchen, bathroom, living room and bedroom furniture, for shop fittings and for the completion of the interior.

Surfaces

All common wood and wood-based material, which shall be provided with a high-gloss top coat. With Wigranit® Isolierfüller WIG-IF it is also possible to coat iron, nonferrous metal and plastics. MDF for wet-room applications must be treated with WIGRANIT Isolierfüller WIG-IF first.

Preparation

In case of raw wood surfaces, carry out wood sanding in several steps (120/150/ perhaps 180-grit paper) and dust well. Suitable fillers are: Wigranit® Kombinationsfüller S 7850, Wigranit® 2K-PUR-Füller weiß WIG/FILL or Wigranit® Isolierfüller WIG-IF. All fillers must be hardened with the appropriate hardeners. After thorough drying, intermediate sanding with 280-320 grit paper is required. Carefully remove the sanding dust.

Gloss levels

Product number	WNCH/Colour
Gloss level	high-gloss
Measuring value according to DIN 67530 at an angle of 60°	>90

Hardening

Hardener:	PUR-Härter 5085
Mixing ratio (varnish/hardener)	2:1
Pot life	approx. 2 hours at 20°C, 65% rel. humidity

Thinner

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

Application

Stir well before use!

The surface must be sanded and dusted carefully. The surface is decisive for the final appearance, the gloss level and the elegance. The paint should be applied in a thin coating in an environment, which is as dust-free as possible. When the paint is beginning to dry, it is an absolute must to avoid any incidence of dust. In order to improve the high-gloss effect, after a thin coat has been applied (see "Application methods") and after a drying time of between 30 minutes and 2 hours, we recommend applying another thin coat. If overpainting is done overnight or at a later time, the entire surface must be slightly sanded with 1200-grit paper and carefully dusted before the second paint coat is applied.

Application methods

	Spraying	
	High/Low pressure	Airless / Airmix
Spray pressure (bar)	1.5 - 3	110 - 130
Nozzle size (mm)	1.6 – 1.8	0.23 - 0.28
Thinner to be added (%)	10 - 20	approx. 10
Processing viscosity DIN 4mm (sec.)	approx. 20 - 25	approx. 35
Coverage per application (g/m ²)	80 - 120	80 - 120
Yield incl. overspray (m ² /l)	6 - 9	6 - 9

Drying time with PUR Härter 5085 (at room temperature of 20°C, 65% relative humidity)

dust dry approx. 30 min.	touch dry approx. 4 hours	sandable approx. 14 hours	ready for transport approx. 48 hours
-----------------------------	------------------------------	------------------------------	---

Post-treatment

After complete cure of approx. three days, the high-gloss coat can be sanded with 1200-grit paper and buffed with Zweihorn® Hochglanz Schleifpaste HSP.

Product data

Batch sizes WNCH/ Weiß	3 kg, 25 kg
Batch sizes WNCH/ Schwarz, Blau, Bordo, Gelb, Grün, Ocker, Orange, Oxydrot, Rot,	3 kg
Batch sizes PUR-Härter 5085	0.5 l, 1.25 l, 2.5 l, 12.5 l
Viscosity at delivery DIN 4 mm	approx. 45 seconds
Shelf life in unopened original batches	approx. 2 years

Further information can be obtained from the label and the Safety Data Sheet according to 91/155/EWG, which can be downloaded from our Internet site "www.zweihorn.com" or requested from us.

Special notes

- Decisive for a brilliant high-gloss effect is the careful preparation of the surface and the freedom from dust during application and curing of the high-gloss paint.
- Always sand and dust coatings with polyurethane (PUR) materials shortly before further treatment in order to ensure perfect bonding.
- Always keep to the indicated coating thickness.
- Drying or curing of the paint coat must not be accelerated, neither by increasing the temperature nor by adding Beschleuniger BS.
- Do not process and dry PUR varnishes below 15°C.
- PUR hardeners are affected by moisture. Always store the hardener in tightly closed batches.
- When using PUR hardeners always follow the safety instructions on the label.
- PUR hardener may be stored in unopened original batches and at a cool and dry place for a maximum of 1 year approx

Meets the following test standards

- Flame resistance according to DIN 4102/B1, tested only in constructions with Wigranit® Isolierfüller IF
- Chemical exposure of furniture surfaces according to DIN 68861/1B
- DIN 53160, Part 1 and Part 2, Saliva and sweat proof (CE approval)
- EN 71-3 Free from soluble heavy metals (CE approval)

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: 26 October 2007