

Wigranit® Novacolor Effektlack WNC/PGB, MB, GOLD

Product description

High-quality, lightfast two-pack PUR effect paint with high sparkle finish.

WNC/PGB Wigranit® Novacolor Perlglanzbasislack

WNC/MB Wigranit® Novacolor Metallicbasislack

WNC/GOLD Wigranit® Novacolor GOLD

Wigranit® Novacolor Effektlack can be processed individually or tinted with Wigranit® Novacolor WNC/Colour. Thanks to this, many coloured effect finishes can be realized. (WNC/GOLD cannot be tinted.)

Tested for flame resistance according to DIN 4102 B1 in constructions with Wigranit® Isolierfüller WIG-IF and Crystallit® CL coating varnish. Also outstandingly suitable for vertical surfaces.

Range of application

Wigranit® Novacolor Effektlack WNC/PGB, MB, GOLD is only suitable for modern effect finishes on surfaces of interior furniture. For various applications on highly stressed effect surfaces.

Surfaces

All common wood and wood-based material, which shall be provided with an opaque top coat. In many cases, direct coating of iron, nonferrous metal and plastic material is also possible (tests must be made before). We recommend using WIGRANIT® Isolierfüller WIG-IF as primer coat.

Preparation

In case of raw wood surfaces, carry out wood sanding in several steps (120/150/ perhaps 180-grit paper) and dust well. The following fillers can be used, if required: Wigranit® 2K-PUR Füller WIG/FILL, Wigranit® Isolierfüller WIG-IF or Wigranit® Kombinationsfüller S 7850. All fillers must be hardened with the appropriate hardeners.

Hardening

Standard hardener:	PUR-Härter 5085
Mixing ratio (varnish/hardener)	20 : 1
Pot life	approx. 8 hours at 20°C, 65% rel. humidity

Thinner

PUR-Verdünner S 9004 (normal drying)

PUR-Verdünner S 9029 (slow drying)

Application

Stir well before use!

Metallic painting:

As a primer, Wigranit® 2K-PUR Füller WIG/FILL, Wigranit® Isolierfüller WIG-IF or Wigranit® Kombinationsfüller S 7850 must be applied in accordance with the corresponding Technical Data Sheet. Sanding through of the primer coat must be avoided. If sanding through took place, please repeat the coating with the filler in order to avoid colour variations.

Wigranit® Novacolor Effektlack WNC/PGB, MB can be processed neatly or tinted with Wigranit® Novacolor WNC. At least half of the mixture should be Wigranit® Novacolor Effektlack WNC/PGB, MB, in order to ensure sufficient effect finish. The metallic effect is badly influenced by the addition of white pigment. For that reason, the amount of white or pastel shades should be as low as possible. Always make a paint test and check the colour/effect. Wigranit® Novacolor Effektlack GOLD WNC/GOLD is not suitable for tinting and can only be processed neatly. Harden the material (see 'Hardener') and mix it with 10-20% of Verdünner S 9004 or S 9029. Apply the mixture crosswise and not too wet.

Resistance against metal marking is obtained by an additional colourless coat. For that purpose, clear varnishes of the Crystallit® series with different degrees of gloss are best suitable (CL-7, 8, 9, 0 or CL-H).

After a drying time of approx. 30 minutes up to a maximum of 8 hours, Wigranit® Novacolor should be overvarnished (wet in wet) without prior sanding. Later overvarnishing, e.g. overnight, is not recommended because the coloured paint surface would have to be slightly sanded (360 grit paper) which could result in colour and sparkle variations

Glitter effect:

As a primer, Wigranit® 2K-PUR Füller WIG/FILL, Wigranit® Isolierfüller WIG-IF or Wigranit® Kombinationsfüller S 7850 must be applied in accordance with the corresponding Technical Data Sheet. Harden, dilute and apply Wigranit® Novacolor WNC/Colour. See the separate Technical Data Sheet for Wigranit® Novacolor WNC/Colour.

High-quality final coats with glitter effect can be realized by adding 0.5 to 5% of Wigranit® Novacolor Effektlack WNC/PGB, MB, GOLD into lightfast two-pack PUR clear varnishes of the Crystallit® and DiaDur® series. The use in Supermatt-Finish SMF is also possible. For a brilliant, deep-action glitter effect we recommend the application in Crystallit® Hochglanzlack CL-H.

The same dosage of Wigranit® Novacolor Effektlack can also be added to the product Glasdesignlack GDL in order to obtain various effects on glass. Carefully read the Technical Data Sheet for Glasdesignlack GDL prior to the application.

Application methods

	Spraying
	High/Low pressure
Spray pressure (bar)	1.5 - 3
Nozzle size (mm)	1.6 - 2.0
Thinner to be added (%)	10 - 20
Processing viscosity DIN 4 mm (sec.)	approx. 18 - 22
Coverage per application (g/m²)	120 - 150
Yield (m²/l)	6 - 8

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

dust dry	touch dry	sandable	ready for transport
approx. 15 min.	approx. 45 min.	approx. 1 hour	overnight

Post-treatment

Wigranit® Novacolor Effektlack WNC/PGB, MB, GOLD can be worked over at any time with the same material after prior sanding. As a general protection and for smoothening the surface we recommend overpainting with suitable two-pack clear varnishes (e.g. from the Crystallit® series). The clear varnish should be applied 30 minutes to 8 hours max. after the application of Wigranit® Novacolor Effektlack WNC/PGB, MB, GOLD without intermediate sanding.

Product data

Batch sizes	
WNC/MB	2.5 and 25 kg
WNC/PGB	3 and 25 kg
WNC/GOLD	3 kg
Batch sizes PUR-Härter 5085	0.5 l, 2.5 l, 12.5 l
Viscosity at delivery DIN 4 mm	
WNC/MB	approx. 60 seconds
WNC/PGB WNC/GOLD	approx. 40 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

- Do not process and dry the materials below 15°C.
- If more than two coats are applied, complete drying must be ensured.
- Subject to slight colour variations. Always test the paint prior to the application.

Test standards**Meets the following test standards:**

- DIN 53160, Part 1 and Part 2, Saliva and sweat proof (CE approval)
- EN 71-3 Free from soluble heavy metals (CE approval)
- Flame resistance according to DIN 4102/B1, tested only in constructions on flame resistant MDF with Wigranit® Isolierfüller WIG-IF, Wigranit® Novacolor WNC/Colour and coating varnish Crystallit® CL 7, 8, 9, 0.

Please follow the relevant test certificates for our products, which can be downloaded from our Internet site "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 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: 29.09.2008