

Wigranit® Novacolor WNC/Colour

Product description

High-quality, light resistant, opaque two-pack PUR paint with very good high-build characteristics. Tested for flame resistance according to DIN 4102 B1 in constructions with Wigranit® Isolierfüller and Crystallit® coating varnish. Also outstandingly suitable for vertical surfaces. Wigranit® Novacolor WNC/Colour allows complete MDF construction with one product only. 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 WNC/Colour is only suitable for finishing the surfaces of interior furniture. It is a multi-purpose coat for highly stressed surfaces. Interesting special effect coatings can also be made. Due to good isolating and filling properties it can also be used on MDF as primer and final coat.

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 of WIGRANIT® Isolierfüller as primer coat. MDF can be directly coated with kann direkt mit Wigranit® Novacolor or pretreated with Wigranit® Isolierfüller.

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. Untreated MDF can also be primed with Wigranit® Novacolor WNC/Colour. After thorough drying, intermediate sanding with 280-320 grit paper is required. Carefully remove the sanding dust.

Gloss levels

Product number	WNC/Colour
Gloss level	silk

Hardening

Standard hardener:	PUR-Härter 5085
or special hardener:	Turbohärter TH
Mixing ratio (varnish/hardener)	10 : 1
Pot life	approx. 8 hours at 20°C, 65% rel. humidity
When Spezial Turbohärter TH is used, Wigranit Novacolor surfaces will become completely dry up to approx. 30% faster with the same processing parameters and the Wigranit® Novacolor surfaces can be stressed faster. Pot-life remains unchanged.	

Thinner

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

Application

Stir well before use!

Classic construction:

As a primer, Wigranit® 2K-PUR Füller WIG/FILL or Wigranit® Isolierfüller WIG-IF or Kombinationsfüller S 7850 must be applied in accordance with the corresponding Technical Data Sheet. Harden Wigranit® Novacolor (see 'Hardening') and mix it with 10-20% of Verdünner S 9004 or S 9029. 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). These varnishes must be applied in accordance with the corresponding Technical Data Sheet. After a drying time of approx. 30 minutes, Wigranit® Novacolor can be overvarnished (wet in wet) without prior sanding. If overvarnishing is made at a later time, e.g. overnight, the dry paint surface must be slightly sanded (360-grit paper).

Time-saving construction:

Harden Wigranit® Novacolor (see 'Hardening'), mix it with 10-20% PUR-Verdünner S 9004 or S 9029 and directly apply it as primer coat for time-saving constructions on common wood and wood materials. After the recommended drying time (see 'Drying time') and the recommended sanding (see 'Preparation'), again apply Wigranit® Novacolor in the same mixing ratio.

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). These varnishes must be applied in accordance with the corresponding Technical Data Sheet. After a drying time of approx. 30 minutes, Wigranit® Novacolor can be overvarnished (wet in wet) without prior sanding. If overvarnishing is made at a later time, e.g. overnight, the dry paint surface must be slightly sanded (360-grit paper).

Application methods

	Spraying		Pouring
	High/Low pressure	Airless / Airmix	
Spray pressure (bar)	1.5 - 3	110 - 130	
Nozzle size (mm)	1.6 - 2.0	0.23 - 0.28	
Thinner to be added (%)	10 - 20	0 - 10	5 - 10
Processing viscosity DIN 4 mm (sec.)	approx. 18 - 22	approx. 35	approx. 30 -35
Coverage per application (g/m²)	120 - 150	120 - 150	100 - 120
Yield (m²/l)	6 - 8	6 - 8	8 - 10

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

Drying time changes when Spezial Turbohärter TH is used (see 'Hardening').

Post-treatment

After prior sanding, Wigranit® Novacolor/Colour can be worked over at any time with the same material or with suitable clear two-pack varnishes (e.g. from the Crystallit® series).

Product data

Batch sizes	
RAL9016, black	3, 10, 25 kg
Yellow, yellow orange, orange, ochre, red, burgundy, blue, green	3, 25 kg
Oxide red	3 kg
Batch sizes PUR-Härter 5085	0.5 l, 2.5 l, 12.5 l
Batch sizes Spezial Turbohärter TH	2.5 l, 10 l
Viscosity at delivery DIN 4 mm	> 65 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, sufficient drying must be ensured.
- Subject to slight colour variations. Always test the paint prior to the application.
- Spezial Turbohärtter TH was developed for the use in Wigranit® Novacolor only.
- By adding 10% of Ringfestkonzentrat RK into Wigranit® Novacolor, resistance against metal marking is obtained. Ringfestkonzentrat RK reduces surface damage caused by metal abrasion. Any markings can be removed easily by means of a damp cotton cloth. The application is especially useful in the case of light colours, which shall not be additionally protected by clear varnish.

Test standards

Meets the following test standards:

- a) Chemical exposure of furniture surfaces according to DIN 68861/1B.
- b) DIN 53160, Part 1 and Part 2, Saliva and sweat proof (CE approval)
- c) EN 71-3 Free from soluble heavy metals (CE approval)
- d) 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.
- e) Approved for food contact applications according to Art. 31 par.1 of the Foodstuffs and Consumer Goods Law
- f) Flame resistant according to IMO-Resolution A.653
- g) TÜV-Toxproof - The seal for low-emission paint
- h) Requirements to the surfaces of kitchen furniture according to DIN 68930 regarding the resistance under changing climatic conditions

All test standards apply to the use with standard hardener PUR-Härter 5085.

When Spezial Turbohärtter TH is used, only the test standards a) to c) are applied.

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