

# ADLER Ventopur NG

26391 ff

Solvent-based 2-component polyurethane clear coat for furniture and interior finishing for industrial and professional use

## PRODUCT DESCRIPTION

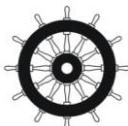
### General

Quick drying, solvent-based, 2-component polyurethane clear coat for furniture, free from aromatic compounds, based on acrylic resins. Excellent mechanical and chemical resistance, high filling power, long pot-life, good grain accentuation and beautiful pore pattern. The product is characterized by a high yellowing resistance and an optimal light protection for wood and stain due to UV-filters. Processable „coat on coat“.

### Special properties and standards



General building inspection test certificate  
P-BWU03-I-16.5.370, MPA Stuttgart



EC type test certificate 116.455  
US Coast Guard approval certificate  
164.112/EC0736/116.455



- **ÖNORM A 1605-12** (furniture surfaces)  
Resistance to chemical reactions: 1-B1  
Response to abrasion: 2-D ( $\geq 50$  U)  
Response to scratches: 4-D ( $\geq 1,0$  N)  
Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **DIN 68861** (furniture surfaces)  
Part 1: Response to chemical stress: 1 B  
Part 2: Response to abrasion: 2 D (above 50 to 150 U/turns)  
Part 4: Response to scratches: 4 D ( $> 1.0$  to  $\leq 1.5$  N)
- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate:  
highly non-combustible or flame-retardant (formerly B 1 in accordance with B 3800 -1), Q1, Tr 1
- **DIN 4102-B1** (highly non-combustible) in conjunction with flame-retardant laminated plywood – even veneered
- **EN 13501-1** (fire behaviour) in conjunction with flame-retardant laminated plywood – even veneered: B-s1,d0
- Highly non-combustible coating material for sea-going vessels (in accordance with **SOLAS 74/88 Chapter II-2**)
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **ÖNORM S 1555** or **DIN 53160** Perspiration and saliva-proof properties
- **Coatings of children’s toys:** ADLER Ventopur NG complies with the requirements for „**Objects, which children may place in their mouths**“ (BGBl-Federal Gazette 355: Regulation for plasticizers, 18/09/06)
- **Food-compatible coating:** ADLER Ventopur can be used for coatings of wooden objects that temporarily come in contact with

01-16 (supersedes 07-15) ZKL 2538

ADLER-Werk Lackfabrik, A-6130 Schwaz  
 Fon: 0043/5242/6922-301, Fax: 0043/5242/6922-309, Mail: [technical-support@adler-lacke.com](mailto:technical-support@adler-lacke.com)

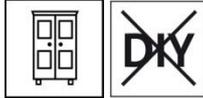
Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

foodstuffs, according to confirmation of OFI Technologie & Innovation GmbH.



- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

### Application area



- For the coating of furniture and interior finishing exposed to high levels of stress, for hotel and school establishments, for kitchen furniture and sanitary facilities: Application areas II – IV according to ÖNORM A 1610-12.
- Highly non-flammable or flame-retardant structures.
- Suitable for the coating of surfaces bleached with hydrogen peroxide.
- Suitable for the coating of children's toys as well as wooden objects that can be in temporary contact with foodstuffs.

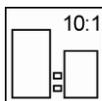
## PROCESSING

### Instructions for use



- Please stir the product before use.
- The application quantity is 2 x 130 gm/m<sup>2</sup> for coating structures on sea-going vessels.
- Regarding the coating of interior fittings on ships the flame-retardant surface material must not be used on pipes, pipe covers and cables.
- Please follow our "**Working guidelines for PUR furniture paints**".

### Mixing ratio



10 parts by weight of ADLER Ventopur NG 26391 ff  
1 part by weight ADLER PUR-Härter 82019

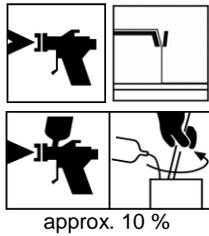
ADLER Ventopur NG 26391 ff may be used only with a hardener and in the blending ratio specified. Any deviations cause film and adhesion defects.

### Pot-Life



1 working day

The mixture can be processed for 1 further day, but it must be mixed 1:1 with freshly hardened material. It is not possible to extend the pot-life beyond this.

**Application technique**

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun	Curtain coating
Spraying nozzle (ø mm)	0.23 – 0.28	0.23 – 0.28	1.8	-
Spraying pressure (bar)	100 - 120	100 -120	3 - 4	-
Spraying air (bar)		1-2		
Dilution (thinning)	ADLER DD-Verdünnung 80019 or ADLER PUR-Verdünnung 80029			
Thinner added in %	0 – 5 %	0 – 5 %	approx. 10 %	-
Viscosity (s) 4-mm-cup, 20°C	approx. 23	approx. 23	approx. 19	approx. 23
Application-quantity (g/m <sup>2</sup> )	approx. 100 - 150 per application; total quantity applied max. 450			

The shape, the properties and moisture of the substrate affect the consumption / yield. Accurate values for consumption must be obtained by applying trial coats in advance.

**Drying times**

(at 23 °C and 50 % rel. humidity)



Grindable and recoatable	after approx. 2 hours
Manipulable and stackable	overnight

In order to improve the firmness of the subsequent coatings, we recommend a drying time overnight at room temperature.

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

**Cleaning the working equipment**

ADLER DD-Verdünnung 80019 or  
ADLER Waschverdünnung 80077

**SUBSTRATE****Type of substrate**

Solid wood, wood veneers on suitable carrier plates.

Please follow our "**Guidelines for coating different types of wood with 2-component polyurethane paints/lacquers**".

**Substrate property (or condition)**

The substrate must be dry, clean, capable of holding the paint, and it must be free of releasing substances as grease, wax, silicone, resin etc. and free from wood dust, as well tested for suitability for coating.

**Preparation of the substrate**

**Hardwoods:** grain size 150 – 180  
**Softwoods:** grain size 100 – 150

Remove sanding dust accurately – especially from the wooden pores.

**COATING SYSTEM****Primer Coat**

1 x ADLER Ventopur NG 26391 ff

**Intermediate sanding**

Sand the primer-coated surface using grain size 240 - 320.

Through sanding has to be avoided as it may lead to differences in the grain accentuation which can be reinforced due to yellowing during aging.

Remove the wood dust.

Intermediate sanding must be done immediately prior to applying a subsequent coat in order to ensure proper intermediate adhesion.

**Topcoat**

1 x ADLER Ventopur NG 26391 ff

**CLEANING & MAINTENANCE****Cleaning and maintenance**

Cleaning with ADLER Clean Möbelreiniger (furniture cleaner) 96490. Preservation of surfaces with degree of gloss G30 until G90 with ADLER Clean Möbelpflege (furniture preservative) 96491. Excluded are especially polished shiny surfaces because of streak formation.

Please observe the relative technical data sheets of the products.

**ORDERING INFORMATION****Size of trading unit**

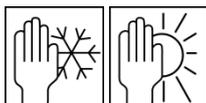
20 kg; 180 kg

**Colour / degree of gloss**

G10 Deep matt	26391
G30 Matt	26393
G50 Semi-matt	26395
G70 Silk-matt	26397

**Supplementary products**

ADLER PUR-Härter 82019  
ADLER DD-Verdünnung 80019  
ADLER PUR-Verdünnung 80029  
ADLER Waschverdünnung 80077  
ADLER Clean Möbelreiniger 96490  
ADLER Clean Möbelpflege 96491

**FURTHER DETAILS****Durability / storage**

At least 1 year in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

**Technical specifications**

Delivery viscosity	Approx. 28 s in accordance with DIN 53211 (4-mm-cup, 20°C)
Mixing/blending viscosity	Approx. 23 s in accordance with DIN 53211 (4-mm-cup, 20°C)

**Safety-relevant information**

Please pay attention to the associated safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com**.

The product is only suitable for industrial and commercial processing.

In general, you must avoid inhaling paint aerosols when spraying; this is ensured by proper use of a breathing mask (combination filter A2/P2 – EN 141/EN 143).