

ADLER PUR-Antiscratch HQ

2517

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

PRODUCT DESCRIPTION

Product number(s)

26320 ff

General

High-quality 2K polyurethane clear coat based on acrylate resins with very good mechanical and chemical resistance; extremely high surface hardness and excellent scratch resistance due to the use of new, innovative raw materials; free of aromatic compounds. The product is lightfast and contains a combination of special UV filters with a high light protection effect, which protects the wood substrate and any stains used against premature yellowing or fading.

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces)
Resistance to chemical reactions: 1-B1
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-D (≥ 1.0 N)
Flame treatment: 5-B (hardly inflammable furniture surface)
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress: 1 B
Part 2: Response to abrasion: 2 D (over 50 up to 150 U) part 4: Response to scratches: 4 D ($> 1,0$ up to $\leq 1,5$ N)
- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate:
flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **DIN 53160-1 and DIN 53160-2** perspiration and saliva-proof properties
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



Application areas



- For the coating of furniture and interior finishing exposed to high levels of stress, such as tabletops and shelves in the kitchen and living area, bathrooms, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas. Application areas II – IV in accordance with ÖNORM A 1610-12.
- For the production of very scratch-resistant coatings for furniture and interior finishing.

02-22 (replaces 07-18) ZKL 2517

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Our instructions for use are based on knowledge available currently and shall guide the buyer/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 buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability 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.

- For hardly inflammable or flame-retardant coating systems.
- Suitable for the coating of surfaces bleached with hydrogen peroxide.
- Can be used both as a multi-layer coating for coat-on-coat processing and as a spray coating for coating systems such as ADLER Legnopur, Aduro Vento 2660 or ADLER Pigmopur.
- ADLER PUR-Antiscratch HQ is not recommended for dark or dark stained woods or as spray paint for ADLER Pigmopur.

PROCESSING

Instructions for use



- Please stir the product before use.
- Please observe our **ARL 131 - Working guidelines for PUR furniture paints**.

Blending ratio



10 parts by weight ADLER PUR-Antiscratch HQ 26320 ff
1 part by weight ADLER PUR-Härter 82019

ADLER PUR-Antiscratch HQ 26320 can be used only with a hardener and in the blending ratio specified. Deviations lead to film and adhesion problems.

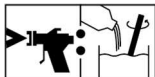
Pot life



8 hours; mixed material must be mixed 1:1 with freshly hardened material.

Increased temperatures reduce the pot life. A further extension of the pot life is not possible.

Application technique



5-10%



10-15%

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.23 - 0.28	0.23 - 0.28	1.8
Spraying pressure (bar)	100 - 120	100 - 120	2 - 3
Atomized air (bar)	-	1 - 2	-
Thinner	ADLER DD-Verdünnung 80019 or ADLER PUR-Verdünnung 80029		
Thinner added in %	degree of gloss G10 - G70		
	5 - 10		10 - 15
	degree of gloss G5		
	-	-	0 - 5
Viscosity (sec.) 4-mm-cup, 20 °C	degree of gloss G10 - G70		
	25		approx. 20
	degree of gloss G5		
	23		approx. 19
Quantity per application (g/m ²)	approx. 100 – 150		

Total quantity applied:	max. 450
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The shape and properties 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)



Sandable and recoatable	after approx. 2 hours
Manipulable and stackable	after 12 hours
Final hardness and scratch resistance	after approx. 24-48 hours

In order to improve the firmness of the subsequent coat, we recommend drying 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.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Cleaning the working equipment



Immediately after use with ADLER DD-Verdünnung 80019 or ADLER Waschverdünnung 80077.

SUBSTRATE

Type of substrate

Hard- and softwood (solid wood-, veneer-, (coated) chipboard-, wood fibre boards).

Substrate property

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

Preparation of the substrate

Wood sanding:
Hardwoods: grit size 150 - 180
Softwoods: grit size 120 - 150

COATING SYSTEM

Primer

1 x ADLER PUR-Antiscratch HQ 26320 ff

Alternatively also another ADLER two-component polyurethane furniture varnish, like e.g. Legnopur 26211 ff or ADLER Ventopur NG 26391 ff can be used as prime coat. ADLER Pigmpur 24005 ff (with corresponding coating system) only for gloss level G10 and higher.

Intermediate sanding



Sand primed surface with grit size 240 - 320.

Avoid sanding straight through!

Remove sanding dust.

Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion.

Topcoat

1 x ADLER PUR-Antiscratch HQ 26320 ff

CLEANING & MAINTENANCE

Cleaning and maintenance

Cleaning with ADLER Clean Möbelreiniger 96490. Preservation of surfaces with degree of gloss G30 and higher (with the exception of glossy surfaces) with ADLER Clean-Möbelpflege Plus 7222.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit

4 kg, 20 kg

Colour shades / degrees of gloss

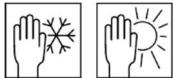
G5 Naturmatt	26320
G10 Stumpfmatt	26321
G30 Matt	26323
G50 Halbmatt	26325
G70 Seidenmatt	26327

Supplementary products

ADLER Legnopur 26211 ff
 Aduro Vento 2660
 ADLER Pigmopur 24005 ff
 ADLER PUR-Härter 82019
 ADLER DD-Verdünnung 80019
 ADLER PUR-Verdünnung 80029
 ADLER Clean Möbelreiniger 96490
 ADLER Clean Möbelpflege Plus 7222

FURTHER DETAILS

Durability/storage



At least 1 year in the original sealed containers.

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

Technical specifications

Delivery viscosity	approx. 40 s in accordance with DIN 53211 (4-mm-cup, 20°C)
G10 - G70	
G5	approx. 27 s in accordance with DIN 53211 (4-mm-cup, 20°C)
Mixing viscosity	
G10 - G70	
G5	approx. 35 s in accordance with DIN 53211 (4-mm-cup, 20°C)
	approx. 23 s in accordance with DIN 53211 (4-mm-cup, 20°C)

Safety-related Information



Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant 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 professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).