

ADLER PUR-Antiscratch HQ

26320 ff

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

PRODUCT DESCRIPTION

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)
- **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
- **French Ordinance DEVL1104875A** regarding the labelling of construction coating products with respect to 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 in the entire interior finishing.
- 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, ADLER Ventopur NG or ADLER Pigmopur.
- ADLER PUR-Antiscratch HQ G5 is not recommended for dark or dark stained woods or as spray paint for ADLER Pigmopur.

07-18 (supersedes 04-15) 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. Otherwise our General Terms of Sale apply. 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.

PROCESSING

Instructions for use



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

Blending ratio



10% 82019

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

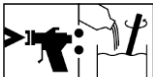
ADLER PUR-Antiscratch HQ 26320 can be used only with a hardener and in the blending ratio specified. Deviations lead to film and adhesion problems.

Pot life



1 working day; mixed material must be mixed 1:1 with freshly hardened material. 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 | 3 - 4 |
| 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 | 5 - 10 | 10 - 15 |
| Viscosity (s) 4-mm-cup, 20°C | degree of gloss G5 | | |
| | - | - | 0 - 5 |
| Application quantity per application (g/m ²) | degree of gloss G10 - G70 | | |
| | 25 | 25 | approx. 20 |
| Application quantity per application (g/m ²) | degree of gloss G5 | | |
| | 23 | 23 | approx. 19 |
| Application quantity per application (g/m ²) | approx. 100 - 150; total quantity applied max. 450 | | |

Drying times

(at 23 °C and 50 % rel. humidity)



| | |
|---------------------------------------|-----------------------|
| Sandable and recoatable | after approx. 2 hours |
| Manipulable and stackable | drying overnight |
| Final hardness and scratch resistance | after 1 - 2 days |

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.

Cleaning the working equipment

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

Hardwoods: wood sanding with grit size 150 - 180
Softwoods: wood sanding with 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 Pigmopur 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 wood dust.

Intermediate sanding must be done immediately prior to applying the topcoat in order to ensure proper 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 ADLER Clean-Möbelpflege Plus 7222000210.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

4 kg; 20 kg

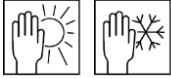
Colour shades / degrees of gloss

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

Supplementary products

ADLER Legnopur 26211 ff
ADLER Ventopur NG 26391 ff
ADLER Pigmopur 24005 ff
ADLER PUR-Härter 82019
ADLER DD-Verdünnung 80019
ADLER PUR-Verdünnung 80029
ADLER Clean Möbelreiniger 96490
ADLER Clean-Möbelpflege Plus 7222000210

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

G10 - G70 approx. 40 s in accordance with DIN 53211 (4-mm-cup, 20°C)

G5 approx. 27 s in accordance with DIN 53211 (4-mm-cup, 20°C)

Mixing viscosity

G10 - G70 approx. 35 s in accordance with DIN 53211 (4-mm-cup, 20°C)

G5 approx. 23 s in accordance with DIN 53211 (4-mm-cup, 20°C)

Safety-related 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 professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).
