

## PUR-Antiscratch HQ

2517

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

### PRODUCT DESCRIPTION

#### General

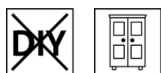
High-quality two-component polyurethane clear coat based on acrylate resins with very good mechanical and chemical resistance; extremely high surface hardness and excellent scratch resistance due to the use of new, innovative raw materials; free of aromatic solvents. The product is lightfast and contains an optimum UV filter for the light protection of wood and stain. Suitable for the "varnish on varnish" method.

#### Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**  
Confirmed by an external test certificate.  
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 (hardly inflammable furniture surface)
- **DIN 68861 (furniture surfaces)**  
Part 1: Response to chemical stress: 1 B  
Part 2: Response to Abrasion: 2 D ( $> 50$  to  $\leq 150$  U)  
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:  
flame-retardant, 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**  
Marking of construction coating products for their emission of volatile pollutants: A+



#### Application area



For the production of very scratch-resistant coatings for furniture and interior finishing.

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 to IV in accordance with ÖNORM A 1610-12.

For hardly inflammable or flame-retardant coating systems.

Suitable for the coating of surfaces bleached with hydrogen peroxide.

## PROCESSING

### Processing instructions



- Please stir the product before use.
- Can be used as a top coat on pigment paints such as Pigmopur G50 (2406) (drying time ADLER Pigmopur at room temperature of at least 8 to at most 24 hours without intermediate sanding).
- Can be used both as a multi-coat paint for coat-on-coat work and as a spray paint for paint systems such as Aduro Legnopur (2513), Aduro Vento (2660) or Pigmopur (2406).
- PUR-Antiscratch HQ G05 Naturmatt (26320) is not recommended for dark or dark stained woods or as spray paint for Pigmopur G50 (2406).
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.

### Blending ratio



10 Part(s) by weight PUR-Antiscratch HQ (2517)  
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

PUR-Antiscratch HQ (2517) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

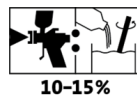
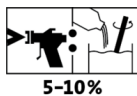
### Pot life



8 hour(s)

Mixed material can be used one more working day, but must be mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible.

### Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,28		1,8
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner (8519) / PUR-Verdünner (8529)		
Diluent amount added (%)	5 - 10*		10 - 15* 0 - 5**
Applied quantity per application (g/m <sup>2</sup> )	100 - 150		
Total quantity applied (g/m <sup>2</sup> )	max. 450		

\* Gloss level G10 - G70

\*\* Gloss level G05

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

### Drying times

(at 23 °C and 50 % rel. humidity)



Manipulable and stackable	2 hour(s)
Manipulable and stackable	12 hour(s)
Final hardness and scratch resistance	48 hour(s)

In order to improve the firmness of the subsequent coating, 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



8519



8501

With DD-Verdüner 8519 (8519) or Waschverdünner (8501) immediately after use.

## 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.

### Substrate preparation

Hardwoods: Grit size 150 - 180  
Softwoods: Grit size 120 - 150

## COATING SYSTEM

### Primer coat

1 x PUR-Antiscratch HQ (2517)

Alternatively also another ADLER two-component polyurethane furniture coating, like e.g. Aduro Legnopur (2513) or Aduro Vento (2660) can be used as primer coat. Pigmopur G50 (2406) (with corresponding coating system) only for gloss level G10 and higher.

### Intermediate sanding



Sand the 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 PUR-Antiscratch HQ (2517)

## CLEANING AND MAINTENANCE

### Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202) and care with Clean-Möbelpflege Plus (7222).

## ORDERING INFORMATION

### Size of trading unit

4 kg, 20 kg

### Colour shades / Glosslevels

PUR-Antiscratch HQ G05 Naturmatt (26320)  
PUR-Antiscratch HQ G10 Stumpfmatt (26321)  
PUR-Antiscratch HQ G30 Matt (26323)  
PUR-Antiscratch HQ G50 Halb matt (26325)  
PUR-Antiscratch HQ G70 Seidenmatt (26327)

**Supplementary products**

Aduro Legnopur (2513)  
 Aduro Vento (2660)  
 DD-Verdünner 8519 (8519)  
 Clean-Möbelpflege Plus (7222)  
 Clean-Möbelreiniger (7202)  
 Pigmpur G50 (2406)  
 PUR-Hardener 8419 (8419)  
 PUR-Verdünner 8529 (8529)

Please refer to the corresponding technical data sheets of the products.

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

Min. 1 year(s) 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 G05: 26 – 28 seconds according to DIN 53211  
(4 mm measuring cup, 20 °C)

Delivery viscosity G10 - G70: 35 – 40 seconds according to DIN 53211  
(4 mm measuring cup, 20 °C)

**Safety information**

The product is only suitable for the industrial and professional use.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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](http://www.adler-lacke.com).