

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

It is a high-class 2-component polyurethane clear varnish having excellent resistance to mechanical and chemical stress; by using new and innovative raw materials, ADLER PUR-Antiscratch HQ provides coatings that have extremely hard surface hardness and excellent scratch resistance; free from aromatic solvents

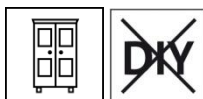
The product is non-fading and contains a combination of a special UV absorber shielding it from the impact of light, which protects the wood substrate and stains used on it, if any, from premature yellowing or fading.

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 (highly non-flammable furniture surfaces)
- **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
- **French Ordinance DEVL1104875A** regarding the labelling of construction coating products with respect to their emission of volatile pollutants: A+

Application area



- For coating furniture and indoor surfaces exposed to high levels of stress, for hotel and school fittings, for kitchen and sanitary furniture: Application areas II – IV according to ÖNORM A 1610-12.
- It is meant to provide highly scratch-resistance coatings in the entire indoor fittings.
- For highly non-flammable or flame-retardant coating structures.
- Suitable for coating surfaces bleached with hydrogen peroxide.
- It may be used as a multi-layer coating for the coat-on-coat method of application and also as spray-on paint for coating systems such as, for example, ADLER Legnopur, ADLER Ventopur NG or ADLER Pigmopur.
- To use ADLER PUR-Antiscratch HQ G5 is not recommended for dark or dark coloured wood species or as top coat for ADLER Pigmopur.

02-14 (supersedes 01-14) ZKL 2517

ADLER-Werk Lackfabrik, A-6130 Schwaz

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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.

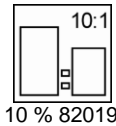
PROCESSING

Instructions for use



- Please stir the product before use.
- Please follow our "**Working guidelines for PUR paints / lacquers**".

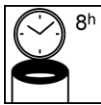
Mixing ratio



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

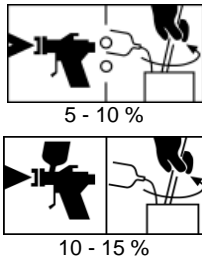
ADLER PUR-Antiscratch HQ 26320 ff may be used only with the mentioned hardener and in the blending ratio specified. Any deviations cause the film to be flawed.

Pot life



1 working day: the mixture can still be used for processing on the next 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 pressurized (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
Spraying air (bar)	-	1 - 2	-
Dilution (thinner)	ADLER DD-Verdünnung 80019 or ADLER PUR-Verdünnung 80029		
Thinner amount added in %	Degree of gloss G10 - G70		
	5 - 10	5 - 10	10 - 15
	Degree of gloss G5		
	-	-	0 - 5
Viscosity (sec) 4 mm cup, 20°C	Degree of gloss G10 - G70		
	25	25	approx. 20
	Degree of gloss G5		
	23	23	approx. 19
Application quantity (g/sq)	Approx. 100 – 150 per application; total quantity applied max. 450		

Drying times

(at 23 °C and 50 % rel. humidity)



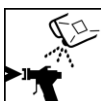
It can be sanded and recoated	after approx. 2 hours
It can be moved and stacked	overnight

The final hardness and the excellent scratch resistance are achieved in 1 – 2 days.


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

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, coat thickness, temperature, air exchange and relative atmospheric humidity.

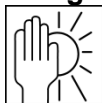
Cleaning the working equipment



ADLER DD-Verdünnung 80019 or
ADLER Waschverdünnung 80077

SUBSTRATE											
Type of substrate	Hardwood and softwood (solid wood, veneered, laminated wood and (coated) wood fibre materials)										
Substrate property (or condition)	The substrate must be dry, clean, capable of holding the paint and free of grease, wax and wood dust.										
Preparation of the substrate	Hardwoods: wood sanding using grain size 150 – 180 Softwoods: wood sanding using grain size 120 - 150										
COATING SYSTEM											
Primer coat	1 coat of 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 the corresponding coating system) only for the degree of gloss G10 and not higher.										
Intermediate sanding 	Sand slightly the primer-coated surface using grain size 240 - 320. Avoid through sanding at all costs! Remove the wood dust. Intermediate sanding must be done immediately prior to applying the topcoat in order to ensure proper intermediate adhesion.										
Topcoat	1 coat of ADLER PUR-Antiscratch HQ 26320 ff										
MAINTENANCE											
Clean using ADLER Clean Möbelreiniger (furniture cleaner) 96490; Preservation of surfaces having degree of gloss G30 and higher with ADLER Clean Möbelpflege (furniture care) 96491. Please follow the respective technical data sheets of the products.											
ORDERING INFORMATION											
Size of trading unit	4 kg; 20 kg										
Colour shades / Degree of gloss	<table> <tr><td>G5 Natural mat</td><td>26320</td></tr> <tr><td>G10 Deep matt</td><td>26321</td></tr> <tr><td>G30 Matt</td><td>26323</td></tr> <tr><td>G50 Semi-matt</td><td>26325</td></tr> <tr><td>G70 Silky matt</td><td>26327</td></tr> </table>	G5 Natural mat	26320	G10 Deep matt	26321	G30 Matt	26323	G50 Semi-matt	26325	G70 Silky matt	26327
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By-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 96491										

FURTHER DETAILS

Durability / Storage

At least 1 year in the original sealed containers.

Store it such that it is protected against moisture, direct sunlight and high temperatures (over 30°C).

Technical specifications**Delivery viscosity**

G10 - G70 About 40 s as per DIN 53211 (4 mm cup, 20 °C)

G5 About 27 s as per DIN 53211 (4 mm cup, 20 °C)

**Mixing/blending
viscosity**

G10 - G70 About 35 s as per DIN 53211 (4 mm cup, 20 °C)

G5 About 23 s as per DIN 53211 (4 mm cup, 20 °C)

Safety-related information

Please follow the associated safety data sheet! The latest version can be retrieved from the Internet at **www.adler-lacke.com**.

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