

## ADLER Pigmolux DC G30

3353

Water-based, radiation-curing two-component pigmentcoat for **furniture and interior finishing** for the **industry**

### PRODUCT DESCRIPTION

#### General

Water-based pigment paint with isolation properties for wooden furniture surfaces. The product is characterized by high reactivity, very good stackability, very good chemical resistance, rapid drying and very high mechanical resistance.

#### Special properties and standards

- **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 (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
- **DIN 68861** (furniture surfaces)  
Part 1: Response to chemical stress: 1 B  
Part 2: Response to abrasion: 2 D (over 50 to 150)  
Part 4: Response to scratches: 4 E ( $> 0.5$  until  $\leq 1.0$  N)
- **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+



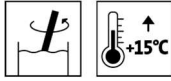
#### Application areas



- For large-scale industrial coating of furniture and interior finishing exposed to high levels of stress including surfaces in the kitchen- and sanitary areas: Application areas II – IV in accordance with ÖNORM A 1610-12.
- For hardly inflammable or flame-retardant coating systems.

## PROCESSING

### Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +15 °C is necessary.
- The coating must be cured absolutely by UV radiation!
- An addition of Bluefin Multilux Top 3853 on top of varnish for the final, finishing coat increases the ring test resistance and scratch resistance of ADLER Pigmolux HQ G30.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

### Blending ratio



5% 8235000210

100 parts by weight ADLER Pigmolux HQ G30 3353  
5 parts by weight ADLER Aqua-PUR-Härter 8235000210

ADLER Aqua-PUR-Härter 8235000210 must be carefully worked into the paint components by stirring before processing. We recommend observing a waiting time of approx. 10 min. before processing. The product can only be processed in 2-component form.

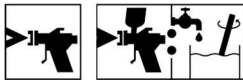
### Pot life



4 hours;

Mixed material can be used 4 hours more, but must be mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible. Increased temperatures reduce the pot life.

### Application technique

0-5% H<sub>2</sub>O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun Top-pot spraying gun
Spray nozzle (ø mm)	0.28 - 0.33	0.28 - 0.33	1.8
Spraying pressure (bar)	100 - 120	100 - 120	3 - 4
Atomized air (bar)	-	1 - 2	-
Dilution (thinning)			water
Thinner amount added in %	-	-	0 - 5
Viscosity (s) 6-mm-cup, 20 °C	35 - 40	35 - 40	35 - 40
Application quantity per application (g/m <sup>2</sup> )	approx. 100 - 150 - closed pore surfaces: approx. 120 - open pore surfaces: approx. 150 - 200		
Application quantity (g/m <sup>2</sup> )	max. 450		

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

**Drying conditions**

- Flashing off the water:
- 30 - 45 min. belt-type pallet dryer or 15 - 30 min. flat surface dryer, temperature rising up to max. 50 °C
- The figures given above are reference values, which must be coordinated with the respective facility.
- 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.

**UV curing**

Feed rate 6 m/min when using 1 Ga-doped radiator (power: 80 W/cm) and 1 Hg radiator (power: 60 W/cm)

Attention must be paid to adequate curing at the edges!

**Cleaning the working equipment**

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

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

Solid wood, chipboard or wood fibre materials suitable for opaque varnishing, veneered or coated with priming film.

**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: grit size 150 - 180

**Film-coated chip boards:** Sanding with grit size 180 – 220

**COATING SYSTEM****Primer****For closed-pore surfaces**

- Chipboard coated with primer foil (foil sanding grain 240), depending on quality requirements (fullness, uniformity of surface) without primer or primed 1 x with ADLER Aqualux-Spritzfüller Weiß 29211 (2-component), intermediate sanding grain 320 - 360
- Solid wood or chipboard veneered with blind veneer (beech), primed 2 x with ADLER Aqualux-Spritzfüller Weiß 29211 (2-component), intermediate sanding grain size 280 - 320
- MDF boards, 2 - 3 x primed with ADLER Aqualux Spritzfüller Weiß 29211 (two component), intermediate sanding grain size 280 - 320

**For open-pore surfaces**

Pre-insulated with 150 - 200 g/m<sup>2</sup> ADLER Aqualux Spritzfüller Weiß 29211 (two component) in case of

- wood species with water-soluble colouring wood components (e. g. ash)
- coating systems in RAL 9010 "Reinweiß" (pure white) and in pastel shades

Regarding coating systems for full-tone-colours it is sufficient to apply one primer coat using 130 - 150 g/m<sup>2</sup> ADLER Pigmolux HQ G30 3353.

Please observe the relative technical data sheets of the products.

### Intermediate sanding



Grit size 280 - 360

Avoid sanding straight through!

### Topcoat

1 x ADLER Pigmolux HQ G30 3353 in the desired colour shade

## CLEANING & MAINTENANCE

### Cleaning and maintenance

Cleaning using ADLER Clean Möbelreiniger 96490 and preservation with ADLER Clean Möbelpflege Plus 7222.

Please observe the relative technical data sheets of the products.

## ORDERING INFORMATION

### Size of trading unit

25 kg

### Colour shades / degrees of gloss

ADLER Pigmolux HQ G30 RAL 9010 3353009010

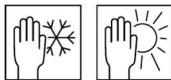
RAL-shades, NCS-shades, etc. are available as special productions.

### Supplementary products

ADLER Aqua-PUR-Härter	8235000210
ADLER Aqualux-Spritzfüller Weiß	29211
Bluefin Multilux Top	3853
ADLER Aqua-Cleaner	80080
ADLER Clean-Möbelreiniger	96490
ADLER Clean-Möbelpflege Plus	7222

## FURTHER DETAILS

### Durability / storage



At least 6 months in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures.

### Technical specifications

Delivery viscosity	35 - 40 s in accordance with DIN 53211 (6-mm-cup, 20 °C)
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### 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](http://www.adler-lacke.com).

The product is only suitable for industrial use.

Inhaling paint aerosols must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2).