

ADLER Pigmolux DC ISO

29302 ff

Water-based, radiation-curing pigment paint for furniture and interior finishing for industrial use

PRODUCT DESCRIPTION

General

Water-based pigment paint with isolation properties for wooden furniture surfaces. The coating material is cured with the help of two different cross-linking mechanisms (curing by radiation and 2-component polyurethane cross-linking). With the help of this special curing system (Dual cure), even those areas of the work-piece that are inadequately illuminated by the beams – opaque spots – are cross-linked completely. It provides good mechanical and chemicals resistance, very good isolating properties against water-soluble, colouring wood components, excellent resistance against exposure to light, good filling power and outstanding stackability.

Special properties and standards

- **ÖNORM A 1605-12** (furniture surfaces)
Resistance to chemical reactions: 1-B1 (except for pure white)
Response to abrasion: 2-D (≥ 50 U)
Response to scratches: 4-D (≥ 1.0 N)
Flame treatment: 5-B (difficult to ignite furniture surface)
- **ÖNORM A 3800-1** (fire behavior) 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 (except for pure white)
Part 2: Response to abrasion: 2 D (over 50 to 150 U)
Part 4: Response to scratches: 4 E (> 0.5 bis ≤ 1.0 N)
- **ÖNORM S 1555** or **DIN 53160** 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+

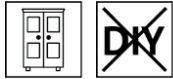


09-18 (supersedes 08-18) ZKL 3309

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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 takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing 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.

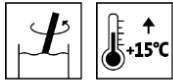
Application areas



- For the industrial serial coating of furniture and interior finishing exposed to high levels of stress, such as kitchen and sanitary facilities: Application areas II – IV in accordance with ÖNORM A 1610-12.
- Coatable directly on wood types with colouring wood components.
- For highly non-flammable or flame-retardant structures.

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.
- In order to achieve the maximum chemical resistance and surfaces resistant to ring indentation, we recommend applying a topcoat of Bluefin Multilux-Top 3853 in the desired degree of gloss.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints and lacquers are used.
- Please follow our “**Working guidelines for water-based furniture varnishes**”.

Mixing ratio



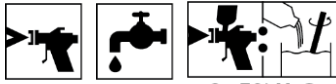
100 parts by weight of ADLER Pigmolux DC UNI 29302 ff
3 parts by weight of ADLER Aqua-PUR-Härter 82220

ADLER Aqua-PUR-Härter 82220 must be carefully worked into the paint components by stirring before processing. We recommend observing a waiting time of approx. 10 min. before processing.

Pot life



4 hours; mixed material can be processed for another 4 hours but must be mixed 1:1 with freshly hardened material; a further extension of the pot life is not possible.

Application technique0-5% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Compressed air cup gun
Spraying 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	approx. 65	approx. 65	approx. 50
Application quantity (g/m ²)	approx. 130 - 200 per application Total application amount max 450		

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

Drying conditions

- Flashing off the water:
- 45 - 60 min. belt-type pallet dryer or 30 - 40 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 e.g. on the type of wood, coat thickness, temperature, air exchange and relative humidity.

UV curing

Feed of 2 - 3 m/min. when using 1 Ga-doped beam and 1 Hg beam (power: 80 W/cm²)

Attention must be paid to adequate curing at the edges!

SUBSTRATE**Type of substrate**

Solid wood, chipboard or wood fibre materials suitable for opaque varnishing, veneered.

Substrate property (or condition)

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

Preparation of the substrate

Sanding with grit size 150 - 180

COATING SYSTEM

Primer coat 150 - 200 g/m² ADLER Pigmolux DC ISO 29302 ff

Intermediate sanding



Grit size 280 - 360

Avoid sanding straight through!

Please use only grit size 280 for pastel shades and RAL 9010.

Topcoat

1 x ADLER Pigmolux DC ISO 29302 ff in the desired colour shade

CLEANING & MAINTENANCE

Cleaning & Maintenance

Cleaning with ADLER Clean-Möbelreiniger 96490. Preservation with ADLER Clean-Möbelpflege Plus 7222000210.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit 25 kg

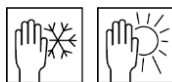
Color shades/degree of gloss ADLER Pigmolux DC ISO Magnolie 29302
Other colour shades are available as special productions.
ADLER Pigmolux DC ISO Magnolia 29302 is supplied in gloss grade G50 - semi-matt. Further gloss levels on request.

Supplementary products

ADLER Aqua-PUR-Härter	82220
Bluefin Multilux-Top	3853
ADLER Aqua-Cleaner	80080
ADLER Clean-Möbelreiniger	96490
ADLER Clean-Möbelpflege Plus	7222000210

FURTHER DETAILS

Durability/storage



At least 12 months 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	approx. 55 - 60 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.

The product is only suitable for industrial use.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).