

Aduro Pigmocolor 4in1

2241 ff

High-quality, solvent-based pigmented coating, can be used directly on MDF, for **furniture and interior finishing for industrial and professional use**

PRODUCT DESCRIPTION

General

Fast-drying two-component polyurethane pigment coating for furniture surfaces. Very good filling power, good grindability, very good chemical and mechanical resistance, very good ring indentation resistance and good firmness on vertical surfaces; can be applied directly on MDF boards (please pay attention to the information on "MDF boards" given in the following!).

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)
- **DIN 68861** (furniture surfaces)
Part 1: Response to chemical stress: 1 B
Part 2: Response to abrasion: 2 D (over 50 up to 150 U)
Part 4: Response to scratches: 4 D ($> 1,0$ up to $\leq 1,5$ N)
- **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 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 the coating of high-quality, pigmented coating systems of furniture and interior finishing including surfaces in the kitchen and sanitary areas: Application areas II – IV in accordance with ÖNORM A 1610-12.
- For the efficient coating of MDF boards in the so-called "varnish-on-varnish" process: with 2 to 3 coats of Aduro Pigmocolor 4in1, full surfaces with very good ring test resistance are achieved on MDF boards; Aduro Pigmocolor 4in1 fulfils the functions of isolation, filler, varnish and spray coat.

02-21 ZKL 2241, 2243, 2245

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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. 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.

- For highly stressed surfaces (tables, chairs, etc.), we basically recommend the application of ADLER Pigmotop 25361 ff or ADLER Legnopur 26211 ff. Thereby you can achieve surfaces, which are absolutely resistant to ring indentation.

PROCESSING

Instructions for use



- If a different gloss level is required (higher than G50), after a drying time (room temperature) of minimum 3 and maximum 8 hours without intermediate sanding, a suitable spray coating (e.g. ADLER Pigmotop G70 25367 or ADLER Legnopur G70 26217) can be applied in the desired gloss level.
- Please stir the product before use.
- Please observe our **ARL 131 - Working guidelines for PUR furniture paints**.
- Please observe the relative technical data sheets of the products.

Blending ratio



10% 82019

10 parts by weight or volume Aduro Pigmocolor 4in1 2241 ff
1 part by weight or volume ADLER PUR-Härter 82019

If **faster drying** is required, the following hardener / mixing ratio can be used as an alternative to ADLER PUR-Härter 82019:



20% 82040

5 parts by weight or volume Aduro Pigmocolor 4in1 2241 ff
1 part by weight or volume ADLER PUR-Härter S 82040

Aduro Pigmocolor 4in1 can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot Life



82019



82040

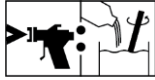
With ADLER PUR-Härter 82019:

8 hours

With ADLER PUR-Härter 82040:

5 hrs

An extension of the pot life by mixing with freshly hardened paint material is not possible!

Application technique

15-20%



20-25%

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0,28 - 0,33	0,28 - 0,33	1.8 - 2.0
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 %	approx. 15 - 20	approx. 15 - 20	approx. 20 - 25
Viscosity (sec.): 4 mm cup, 20 °C	approx. 25	approx. 25	approx. 20
Application quantity per application (g/m ²)	approx. 150 - 200 per application; total quantity applied max. 750		

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 times

(at 23 °C and 50 % rel. humidity)



5h

Sandable and recoatable	after approx. 5 hours
Manipulable and stackable	drying overnight

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**

- Carrier plates coated with priming film
- MDF panels:

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

- Carrier plates coated with priming film:
film sanding with grit size 240
- MDF panels:
cleaning / smooth sanding with grit size 180 - 220

Aduro Pigmicolor 4in1 can be used directly on MDF boards of good quality and with a high moulded density (e.g. on 19-mm boards greater than 700 kg/m³) without pre-insulation. Boards of lower qualities must be pre-insulated before the first layer of filler (e.g. with ADLER DD-Isoliergrund 25103 or ADLER Legnopur 26211 ff).

For sanitary applications, we generally recommend the use of moisture-resistant MDF boards with pre-insulation. It is not recommended for use on horizontal surfaces that are frequently exposed to water, such as washstands.

COATING SYSTEM**Primer**

1 - 3 x Aduro Pigmicolor 4in1 2241 ff, depending on the desired substrate and body.

Intermediate sanding

Grit size 280 - 320

Intermediate sanding must be done immediately prior to applying the topcoat in order to ensure proper intermediate adhesion.

Avoid sanding straight through!

Topcoat

1 x Aduro Pigmicolor 4in1 2241 ff

CLEANING & MAINTENANCE**Cleaning and 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**

1 kg, 4 kg, 20 kg

Colour shades / degrees of gloss**Standard colours:**

G50 Weiß W10 G50 2245000010

G50 RAL 9010 2245009010

G50 Schwarz 2245500001

Other tinting bases:

Basis W10 G10 2241 000010

Basis W30 G10 2241 000030

Basis W30 G50 2245 000030

Other colour shades can be obtained using the **ADLER colour mixing system ADLER PUR-Mix**.

ADLER
PUR | MIX
Pigmentkonzentrat

**Gloss level**

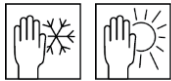
G10 stumpfmatt 2241

G30 matt 2243

G50 halbmatt 2245

Supplementary products

ADLER PUR-Härter 82019
 ADLER PUR-Härter S 82040
 ADLER DD-Verdünnung 80019
 ADLER PUR-Verdünnung 80029
 ADLER DD-Isoliergrund 25103
 ADLER Pigmotop 25361 ff
 ADLER Legnopur 26211 ff
 ADLER Waschverdünnung 80077
 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, frost and high temperatures (above 30 °C).

Technical specifications

Delivery viscosity	approx. 60 ± 5 s in accordance with DIN 53211 (4 mm cup, 20 °C)
Mixing viscosity with 82019	approx. 50 ± 5 s in accordance with DIN 53211 (4 mm cup, 20 °C)
Mixing viscosity with 82040	approx. 45 ± 5 s in accordance with DIN 53211 (4 mm cup, 20 °C)

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 the industrial and professional use

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