

ADLER Pigmpopur

24005 ff

High-quality, solvent-based polyurethane **pigment coating** for **furniture surfaces** for **industrial and professional use**

PRODUCT DESCRIPTION

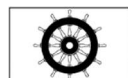
General

Solvent-based, aromatics-free, two-component furniture polyurethane pigment coating based on acrylic resins with very good mechanical and chemical resistance, excellent light fastness and sharp pore pattern on open-pore lacquered surfaces; good firmness on vertical surfaces.

Special properties and standards



General building inspectorate test certificate
P-BWU03-I-16.5.371; MPA Stuttgart



0736/2018
Certificate No. 116.317
U.S. Coast Guard Approval No.
164.112/EC0736/116.317



- **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 (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 4102-B1** (flame-retardant) in combination with flame-retardant wood particle boards - also veneered
- **EN 13501-1** (fire behavior) in combination with hardly inflammable carrier boards - also veneered and primed with ADLER PUR-Spritzfüller 25513 ff: B-s2,d0
- Highly non-combustible coating material for sea-going vessels (complying with **SOLAS 74/88** Chapter II-2)
- **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+

Application areas



- 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, bathroom, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas (except tabletops). Application areas II – IV in accordance with ÖNORM A 1610-12.
- For highly non-flammable or flame-retardant structures.

08-18 (supersedes 05-15) ZKL 2406

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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.

PROCESSING

Instructions for use



- Please stir the product before use.
- For highly stressed surfaces (tables, chairs, etc.), we basically recommend the application of ADLER Pigmotop, 25363 ff. Thereby you can achieve surfaces, which are resistant to ring indentation and highly resistant to mechanical stress.
- Adding 5 % **ADLER Pigmofix G 90699** to varnish combined with 20 % added curing agent (ADLER Aqua-PUR-Härter 82019) increases the adhesion and moisture resistance with applications on glass.
- An addition of 10 % **ADLER Pigmofix RF 90695** to varnish for the last finishing coat increases the ring test resistance and scratch resistance of ADLER Pigmopur 24005 ff.
- An addition of 10 - 20 % ADLER Pigmofix V 90694 to varnish hardened with ADLER DD-Härter 82010 optimizes the processability of the backside glass coating with a paint roller.
- Please follow our „**Working guidelines for glass coating with polyurethane paints - application by paint roller**“.
- The application quantity is 2 x 120 gm/m² for coating structures on sea-going vessels.
- Regarding the coating of interior fittings on ships the flame-retardant surface material must not be used on pipes, pipe covers and cables.
- Please observe our “**Working guidelines for PUR paints**”.
- Please observe the relative technical data sheets of the products.

Mixing ratio



10% 82019

10 parts by weight or vol. of ADLER Pigmopur 24005 ff
1 parts by weight or vol. of **ADLER PUR-Härter (Hardener) 82019**

ADLER Pigmopur 24005 ff can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

If faster drying is required, the following mixing ratio can be used as an alternative to the above hardener:



20% 82040

5 parts by weight or vol. of ADLER Pigmopur 24005 ff
1 parts by weight or vol. of **ADLER PUR-Härter S (Hardener) 82040**

Pot life



82019



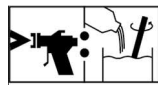
82040

With ADLER PUR-Härter 82019:

1 working day; mixed material from the previous day must be mixed 1:1 with freshly hardened material; a further extension of the pot life is not possible.

With ADLER PUR-Härter S 82040:

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

Application technique**10% 80019****25% 80019**

| Application method | Airless | Airless air-supported (Airmix, Aircoat, etc.) | Cup gun | Casting (pouring) |
|--|---|---|------------|-------------------|
| 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) | with ADLER DD-Verdünnung 80019 or ADLER PUR-Verdünnung 80029 | | | |
| Addition of thinner when using 82019 | | | | |
| Thinner amount added in % | approx. 10 | approx. 10 | approx. 25 | approx. 10 |
| Addition of thinner when using 82040 | | | | |
| Thinner amount added in % | 5 - 10 | 5 - 10 | 15 - 20 | - |
| Viscosity (s) 4-mm-cup, 20°C | approx. 25 | approx. 25 | approx. 20 | approx. 25 |
| Application quantity (g/m ²) | approx. 150 - 200 per application Total application amount max 400 | | | |

Drying times

(at 23 °C and 50 % rel. humidity)



| | |
|---------------------------|-----------------------|
| Sandable and recoatable | after approx. 3 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 | <p>Solid wood or wood particle/wood fiber materials veneered or coated with priming film, which are suitable for opaque coatings.</p> <p>For the coating of glass please follow our “Working guidelines for glass coating”.</p> |
| 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. and free from wood dust, as well as tested for suitability for coating. |
| Preparation of the substrate | <p>Sanding with grit size 150 - 180</p> <p>Film-coated chip boards: Sanding with grit size 180 - 220</p> |
| COATING SYSTEM | |
| Primer | <p>For closed-pore surfaces</p> <p>a) carrier plates coated with priming film (heavy sanding of the film with grit size 240); one-time spray application using ADLER PUR-Spritzfüller 25513 ff, ADLER PUR-Isofill 25506 or ADLER PUR-Ecofill 25501 is beneficial.</p> <p>b) solid wood, raw chipboards or particle boards with blind veneer, twice primed using ADLER PUR-Spritzfüller 25513 ff, intermediate sanding with grit size 280-360</p> <p>c) MDF boards, pre-insulated with ADLER DD-Isoliergrund 25103 or ADLER Legnopur 26211 ff, 1-2 times primed using ADLER PUR-Spritzfüller 25513 ff, intermediate sanding with grit size 280-360</p> <p>Alternatively, ADLER PUR-Isofill 25501 or ADLER PUR-Ecofill 25501 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.</p> <p>For open-pore surfaces</p> <p>1 x approx. 200 g/m² ADLER Pigmpur 24005 ff in the desired colour shade:</p> <p>Drying overnight at room temperature</p> <p>Please observe the relative technical data sheets of the products.</p> |
| Intermediate sanding | <p>Intermediate sanding with grit size 280-400</p> <p>Intermediate sanding must be carried out immediately before the top coat is applied in order to ensure good intermediate adhesion.</p> <p>Avoid sanding straight through!</p> |
| Topcoat | 1 x ADLER Pigmpur 24005 ff in the desired colour shade: |



MAINTENANCE

Cleaning

Cleaning using ADLER Clean Möbelreiniger 96490 and preservation with ADLER Clean Möbelpflege 7222000210.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit

1 kg; 3 kg (only basic colour shades); 4 kg, 20 kg

Color shades/degree of gloss

Weiß G50 Halbmatt 24005

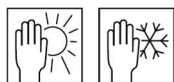
In addition to white, 12 basic shades (24011 to 24022) are available for mixing special shades. Other colour shades are available as special productions.

Supplementary products

ADLER PUR-Härter 82019
 ADLER PUR-Härter S 82040
 ADLER DD-Verdünnung 80019
 ADLER PUR-Verdünnung 80029
 ADLER Pigmofix G 90699
 ADLER Pigmofix RF 90695
 ADLER Pigmofix V 90694
 ADLER Waschverdünnung 80077
 ADLER PUR-Spritzfüller 25513 ff
 ADLER PUR-Isofill 25506
 ADLER PUR-Ecofill 25501
 ADLER DD-Isoliergrund 25103
 ADLER Legnopur 26211 ff
 ADLER Clean Möbelreiniger 96490
 ADLER Clean-Möbelpflege Plus 7222000210

FURTHER DETAILS

Durability/storage



At least 3 years in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight and high temperatures (above 30 °C).

Technical specifications

Mixing viscosity approx. 40 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 industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).