Pache SARL - 64 Route de Gravin, 74300 Magland
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Technical data sheet

Paint runs through our veins.

Pigmopur G50 2406

High-quality, solvent-based polyurethane **pigment paint** for **furniture surfaces, for use in industry and trade**

PRODUCT DESCRIPTION

General

Solvent-based 2C polyurethane pigment paint for furniture, free from aromatic hydrocarbons and formulated with acrylate resin. Offers very good mechanical and chemical resistance, outstanding lightfastness and a distinct pore pattern with open-pored painted surfaces; firm hold on vertical surfaces.

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)**
  Confirmed by an external test certificate.
  Part 1: Response to chemical stress: 1 B
  Part 2: Response to Abrasion: 2 D (> 50 to ≤150 U)
  Part 4: Response to scratches: 4 D (> 1,0 to ≤ 1,5 N)
- **ÖNORM A 3800-1 (fire behaviour)**
  Confirmed by an external test certificate.
  In conjunction with a flame-retardant substrate:
  flame-retardant, Q1, Tr 1.
- **DIN 4102-B1 (fire-retardant)**
  Confirmed by an external test certificate.
  In conjunction with flameretardant laminated plywood – even veneered – and in conjunction with Legnopur, Aduro Vento or Pigmopur.
  General building inspection test certificate MPA Stuttgart:
  Legnopur: P-BWU03-I-16.5.234
  Aduro Vento: P-BWU03-I-16.5.448
  Pigmopur: P-BWU03-I-16.5.371
- **EN 13501-1 (fire behaviour)**
  Confirmed by an external test certificate.
  In conjunction with flame-retardant laminated plywood – even veneered, and with primer coat of PUR-Spritzfüller (2410): B-s2,d0
- **SOLAS 74/88 Chapter II-2**
  Confirmed by an external test certificate.
  Highly non-combustible coating material for sea-going vessels.
- **DIN 53160-1 and DIN 53160-2**
  Confirmed by an external test certificate.
  Perspiration and saliva-proof properties.

0736/2025
Certificate No. 116317-03
U.S. Coast Guard Approval No.
164.112/EC0736/116317-03

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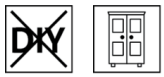
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

- **ÖNORM EN 71-3**
  Confirmed by an external test certificate.
  Safety of toys; migration of certain elements (free of heavy metals).
- **French ordinance DEVL1104875A**
  Confirmed by an external test certificate.
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

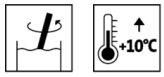


For coating heavily used surfaces in furniture and interior design, e.g. storage surfaces in kitchens and living areas, bathrooms, offices and commercial areas, fronts and permanently visible surfaces, used surfaces of seating furniture and surfaces that are not permanently visible (except table tops). Application areas II to IV in accordance with ÖNORM A 1610-12.

For hardly inflammable or flame-retardant coating systems.

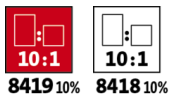
PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- For highly stressed surfaces (tables, chairs, etc.), we basically recommend the application of Pigmotop (2514). Thereby you can achieve surfaces, which are resistant to ring indentation and highly resistant to mechanical stress. Intermediate drying time: at least 3 hours up to longest 24 hours, without intermediate sanding.
- Adding 5 % Pigmofix G (90699) to varnish combined with 20 % added curing agent (PUR-Hardener 8419 (8419000210)) increases the adhesion and moisture resistance with applications on glass.
- An addition of 10 % Pigmofix RF Neu (90695) to varnish for the last finishing coat increases the ring test resistance and scratch resistance of Pigmopur G50 (2406).
- The application quantity is 2 x 120 g/m² Pigmopur G50 (2406) for coating structures on seagoing vessels.
- Regarding the coating of interior fittings on ships the flame-retardant surface material must not be used on pipes, pipe covers and cables.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.
- Please follow our **ARL 131 - Working guidelines for PUR furniture paints.**
- Please observe our **ARL 143 - Working guidelines for glass coating with furniture coatings.**

Blending ratio



10 part(s) by weight or by volume Pigmopur G50 (2406)
1 part(s) by weight or by volume PUR-Hardener 8419 (8419000210)

If faster **drying is** required, the following hardener / mixing ratio can be used as an alternative to PUR-Hardener 8419 (8419000210):

10 part(s) by weight or by volume Pigmopur G50 (2406)
1 part(s) by weight or by volume PUR-Hardener 8418 (8418000210)

Pigmopur G50 (2406) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life

With PUR-Hardener 8419 (8419000210): 8 hour(s)

Mixed material must be mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible.

With PUR-Hardener 8418 (8418000210): 5 hour(s)

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

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Application technique

10% 8519

25% 8519

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,28 - 0,33		1,8
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner (8519) / PUR-Verdünner (8529)		
Diluent amount added (%)	10		25
Viscosity 4-mm-cup (s)	25		20
Applied quantity per application (g/m²)	150 - 200		
Total quantity applied (g/m²)	max. 400		

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)

Sandable and recoatable	3 hour(s)
Manipulable and stackable	12 hour(s)

In order to improve the firmness of the subsequent coating, we recommend drying overnight at room temperature. The figures given above are reference values. Drying depends on the substrate, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

Cleaning the working equipment

8519

8501

With DD-Verdünner 8519 (8519) or Waschverdünner (8501) immediately after use.

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.

Substrate preparation

Wood and wood-based materials: Wood sanding Grit size 150 – 180

COATING SYSTEM

Primer coat

For closed-pore coating surfaces

Carrier plates coated with priming film:

(sharp sanding of the film with 240 grit) / a single spray application with PUR-Ecofill (2416) or Aduro Ecofill Smart (2317) is beneficial.

Solid wood, raw chipboard or chipboard panels veneered with blind veneer:

2 x primed with PUR-Ecofill (2416) or Aduro Ecofill Smart (2317)

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Intermediate sanding Grit size 280 – 360

MDF panels:

1 x insulated with Aduro Isoliergrund (2502) or Aduro Legnopur (2513)

1 – 2 x primed with PUR-Ecofill (2416) or Aduro Ecofill Smart (2317)

Intermediate sanding Grit size 280 – 360

Alternatively, PUR-Ecofill (2416) or Aduro Ecofill Smart (2317) 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).

For open-pore coating surfaces

1 x 200 g/m² Pigmopur G50 (2406) in the desired colour

Drying overnight at room temperature.

Intermediate sanding

Intermediate sanding Grit size 280 – 400

Remove sanding dust.

Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!

Avoid sanding straight through!

Topcoat

1 x Pigmopur G50 (2406) in the desired colour

CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202) an care with Clean-Möbelpflege Plus (7222).

ORDERING INFORMATION

Size of trading unit

1 kg, 3 kg (only base colours), 4 kg, 20 kg

Colour shades / Glosslevels

Pigmopur G50 Weiß (24005)

As well as White, 12 further base colours are available for mixing special colours. (Other) colour shades are available as special productions.

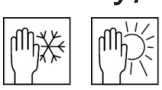
Supplementary products

Aduro Ecofill Smart (2317)
Aduro Legnopur (2513)
Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)
DD-Verdünner 8519 (8519)
Pigmofix G (90699)
Pigmofix RF Neu (90695)
PUR-Ecofill (2416)
PUR-Hardener 8418 (8418)
PUR-Hardener 8419 (8419)
PUR-Verdünner 8529 (8529)
Waschverdünner 8501 (8501)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 3 year(s) in the original sealed containers.

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

PACHE sarl

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Technical specifications	Delivery viscosity: 45 – 50 seconds according to DIN 53211 (4 mm measuring cup, 20 °C)
Safety information	The product is only suitable for the industrial and professional use. The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2). 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.**

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