Technical data sheet

ADLER
Paint runs through our veins.

Bluefin Pigmocryl NG C G10 3207

Water-based pigmented coating for **furniture and interior finishing** for **professional and industrial use**

PRODUCT DESCRIPTION

General

A water-based, natural matt, one-component pigmented coating for furniture with fast drying and good mechanical and chemical resistance. The product is cream and grease resistant (CFB) and is characterised by high resistance to light exposure, good filling power and very good sag resistance on vertical surfaces.

Special properties and standards

- **ADLER green product**
  ADLER green products are objectively tested and certified according to three categories: Environment, Health & Safety, and Durability. Only products that score positively in all these areas are awarded the green sustainability label.
- **ÖNORM A 1605-12 (furniture surfaces)**
  Resistance to chemical exposure: 1-C
  Response to abrasion: 2-D (≥ 50 U)
  Response to scratches: 4-E (≥ 0.9 N)
- **DIN 68861 (furniture surfaces)**
  Part 1: Response to chemical stress: 1 C
  Part 2: Response to abrasion: 2 D (> 50 to ≤ 150 U)
  Part 4: Response to scratches: 4 E (> 0.5 to ≤ 1.0 N)
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate: flame-retardant, Q1, Tr 1
- **EN 13501-1 (fire behaviour)**
  In combination with a non-combustible substrate, e.g. materials of fire class A1 or A2: classification as B-s1, d0. For the classification of the reaction to fire, the complete build-up (carrier board / glue / veneer or foil) is always taken into account.
- **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)
- **Declared in baubook**
  Product has been declared and validated

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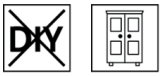
- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

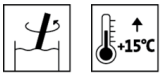


For secondary parts of the living area and parts that are subject to light or normal wear, such as bedrooms and living rooms, for furniture and interior finishing.

For hardly inflammable or flame-retardant coating systems.

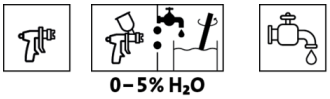
PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- Considerably increased temperature and/or low atmospheric humidity will accelerate the drying, whereby flow and degasification can be negatively influenced. In such cases, we recommend the addition of up to 5 % Aqua-Fluid V (8052).
- For surfaces that are subject to especially heavy wear (tables, chairs, etc.), we generally recommend a topcoat of Bluefin Top-Antiscratch (2960) (chemical resistance – 1-B1 in accordance with ÖNORM A 1605-12 Test 1 – also in the colour RAL 9010 "Pure white (Reinweiß)" or Bluefin Resist (2963). Allows you to achieve surfaces that are ring test-resistant (resistant to metal marking) and offer very good mechanical resistance.
- When coating interior doors, it must be ensured that only sealing profiles compatible with acrylic paints are used.
- When using plastic edgebands, an adhesion test must always be carried out with the planned structure. Adhesion can be improved on ABS edgebands by using ABS Kantenaktivator (8315000210).
- 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 150 - Working guidelines for water-based furniture coatings.**

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,33		2,0
Spraying pressure (bar)	100 - 120	80 - 100	2 -3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)	-		0 - 5
Applied quantity per application (g/m²)	120 - 200*		
Total quantity applied (g/m²)	max. 450		

*closed-pore surfaces: approx. 130
open-pore coating systems in pastel shades and RAL 9010: approx. 150 – 200
open-pore coating systems in solid colours approx. 120 – 150

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)

Can be sanded and then coated with Bluefin Pigmocryl NG C G10 (3207) after:	approx. 2 hour(s)
Recoatable with e.g. Bluefin Top-Antiscratch (2960) or Bluefin Resist (2963) after:	min. 12 hours max. 3 days

The figures given above are reference values. Drying depends on the substrate, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

SUBSTRATE

Type of substrate

Solid wood, chipboard or wood fibre materials suitable for opaque coating, 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 sanding:

Grit size 150 – 180

Carrier plates coated with priming film:

Grit size 180 - 240

COATING SYSTEM

Primer coat

For closed-pore coating surfaces

Chipboard or MDF boards with film depending on the quality requirements (filling performance, evenness of the surface) without priming or 1 x Bluefin Isospeed (3134) in the corresponding colour

Solid wood or chipboard panels veneered with blind veneer (e. g. beech):

2 x Bluefin Isospeed (3134) or Bluefin Isospeed Thix (3119)

MDF panels:

2 - 3 x Bluefin Isospeed (3134) + 5 % Aqua-Hardener 8450 (8450) or Bluefin Isospeed Thix (3119) + 5 % Aqua-Hardener 8450 (8450) Alternatively: 1 x pre-primed with Bluefin Resist (2963) and 2 x primed with Bluefin Isospeed (3134)

For open-pore coating surfaces

Pre-priming with 150 - 200 g/m² Bluefin Isospeed (3134) + 5 % Aqua-Hardener 8450 (8450) with

- wood species prone to resin bleeding (e.g. pine)
- wood species that contain water-soluble discolouring substances (e.g. ash)
- coating systems in the colour RAL 9010 "Pure white (Reinweiß)" and in pastel shades

Regarding coating systems for full-tone-colours it is sufficient to apply one primer coat using 150 – 200 g/m² Bluefin Pigmocryl NG C G10 3207).

Drying overnight at room temperature.

Intermediate sanding 	Grit size 280 – 320 Avoid sanding straight through! Remove sanding dust.
Topcoat	1 x Bluefin Pigmocryl NG C G10 (3207)

CLEANING AND MAINTENANCE

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

ORDERING INFORMATION

Size of trading unit	1 kg, 4 kg, 20 kg
Colour shades / Glosslevels 	**Base paint(s):** Bluefin Pigmocryl NG C G10 W10 Weiß, tönbar (3207000010) Bluefin Pigmocryl NG C G10 Basis W20 (3207000020) Bluefin Pigmocryl NG C G10 Basis W25 (3207000025) Bluefin Pigmocryl NG C G10 Basis W30 (3207000030) Bluefin Pigmocryl NG C G10 (3207) & colour number Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix**.
Supplementary products	ABS Kantenaktivator (8315) Aqua-Cleaner 8029 (8029) Aqua-Fluid V (8052) Aqua-Hardener 8450 (8450) Bluefin Isospeed Thix (3119) Bluefin Isospeed (3134) Bluefin Resist (2963) Bluefin Top-Antiscratch (2960) Bluefin Unistar (2965) Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202) Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage 	Min. 1 year(s) in the original sealed containers. Store cool but frost-free. Close opened containers well and use up the content as soon as possible.
Technical specifications	Delivery viscosity: 170 – 190 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.**