Technical data sheet

ADLER
Paint runs through our veins.

Bluefin Pigmocryl NG G20 Thix 3212

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

PRODUCT DESCRIPTION

General

Water-based one-component pigmented coating for furniture surfaces with 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 excellent sag resistance on vertical surfaces.

Special properties and standards

- **ADLER green product**
  tested according to 3 categories: Environment, Health & Safety, and Service life. Please also refer to the sustainability data sheet.
- **ÖNORM A 1605-12 (furniture surfaces)**
  Resistance to chemical reactions: 1-C
  Response to abrasion: 2-D (≥ 50 U)
  Response to scratches: 4-E (≥ 0.5 N)
  Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **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
- **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.

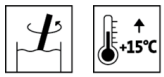
For hardly inflammable or flame-retardant coating systems.

ADLER-Werk Lackfabrik, Bergwerkstraße 22, A-6130 Schwaz
Fon: +43/5242/6922-190, Mail: technical-support@adler-lacke.com, www.adler-coatings.com

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.

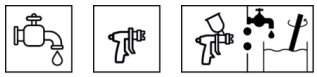
PROCESSING

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 heavily used surfaces (tables, chairs, etc.), we generally recommend top coating with Bluefin Top-Antiscratch (2960) (chemical resistance – 1-B1 in accordance with ÖNORM A 1605-12, test 1 – also colour shade RAL 9010 "Reinweiß" / Pure White) or Bluefin Terra-Resist (2972). 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 coatings and 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
Atomising Air (bar)	-	1 - 2	-
Diluent	-		Water
Diluent amount added (%)	-		10 - 15
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.

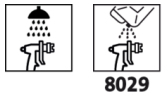
Drying times

(at 23 °C and 50 % rel. humidity)



Sandable and recoatable with Bluefin Pigmocryl NG G20 Thix (3212) after:	approx. 2 hour(s)
Recoatable with e.g. Bluefin Top-Antiscratch (2960) or Bluefin Terra-Resist (2972) 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  8029	With water immediately after use. To remove dried paint residues we recommend using Clean 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 Terra-Resist (2972) 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 solid colours it is sufficient to apply one primer coat using 150 – 200 g/m² Bluefin Pigmocryl NG G20 Thix (3212). Drying overnight at room temperature.
Intermediate sanding 	Grit size 280 – 360 Avoid sanding straight through! Remove sanding dust.
Topcoat	1 x Bluefin Pigmocryl NG G20 Thix (3212)

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, 22 kg

Colour shades / Glosslevels

Standard colour(s):
RAL9016 Verkehrsweiß (3212009016)

Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix**.

Please observe our **ARL 800 - Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

Supplementary products

ABS Kantenaktivator (8315)
Aqua-Fluid V (8052)
Aqua-Hardener 8450 (8450)
Bluefin Isospeed (3134)
Bluefin Isospeed Thix (3119)
Bluefin Terra-Resist (2972)
Bluefin Top-Antiscratch (2960)
Clean Aqua-Cleaner 8029 (8029)
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.

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

Close opened containers well and use up the content as soon as possible.

Technical specifications

Delivery viscosity: 3,000 (Brookfield spindle 4/20 rpm/2 min/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.**