Technical data sheet

Bluefin Pigmorapid G30 3563

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

PRODUCT DESCRIPTION

General

Water-based **one-component pigmented coating for furniture** with very rapid drying and good chemical and mechanical resistance. The product is characterised by high resistance to light exposure, good filling power and good sag resistance on vertical surfaces.

Special properties and standards

- **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
- **ÖNORM EN 71-3**
  Safety of toys; migration of certain elements (free of heavy metals)
- **DIN 53160-1 and DIN 53160-2**
  Perspiration and saliva-proof properties
- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For lightly stressed/subordinate and normally stressed parts of the living area such as bedrooms and living rooms in furniture and interior fittings: Application areas III - IV in accordance with ÖNORM A 1610-12.

This product is also suitable for large-scale industrial coating.

For upright surfaces and for profiled workpieces and battens.

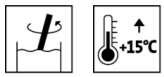
For hardly inflammable or flame-retardant coating systems.

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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.

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.
- 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 (%)	-		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)



Sandable and recoatable with Bluefin Pigmorapid G30 (3563) 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) or 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 Drying overnight at room temperature.
Intermediate sanding 	Grit size 280 – 360 Avoid sanding straight through! Remove sanding dust.
Topcoat	1 x Bluefin Pigmorapid G30 (3563)

CLEANING AND MAINTENANCE

Cleaning and Maintenance

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

ORDERING INFORMATION

Size of trading unit

22 kg

Colour shades / Glosslevels

ADLER MIX

Standard colour(s):
RAL9016 Verkehrsweiß (3563009016)

Bluefin Pigmorapid G30 (3563) & colour number

Special colours on request.

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

Supplementary products

ABS Kantenaktivator (8315)
Clean Aqua-Cleaner 8029 (8029)
Aqua-Hardener 8450 (8450)
Bluefin Isospeed (3134)
Bluefin Isospeed Thix (3119)
Bluefin Terra-Resist (2972)
Bluefin Top-Antiscratch (2960)
Clean-Möbelpflege Plus (7222)
Clean-Möbelreiniger (7202)

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

FURTHER DETAILS

Durability / storage



Min. 9 month(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: 45 – 50 seconds in accordance with DIN 53211
(6 mm measuring cup, 20 °C)

Safety information



The product is only suitable for industrial 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.**