

Pigmolux DC CC G30

3493

Water-based, radiation-curing pigment coating for pouring for industrial coating in furniture and interior finishing

PRODUCT DESCRIPTION

General

Water-based pigment pourable coating for wooden surfaces in the furniture sector. The coating material is cured using two different cross-linking mechanisms (radiation curing and two-component polyurethane cross-linking). This special curing system (Dualcure) ensures that even areas of the workpiece that are insufficiently illuminated by the emitters – shadowed areas – are fully cross-linked. Good mechanical and chemical resistance, excellent resistance to light exposure, good filling power, very good stackability.

Special properties and standards



- **ÖNORM A 1605-12 (furniture surfaces)**

Resistance to chemical reactions: 1-B1 (except for pure white and pastel shades)

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)**

Part 1: Response to chemical stress: 1-B (except for pure white and pastel shades)

Part 2: Response to abrasion: 2 D (> 50 to ≤ 150 U)

Part 4: Response to scratches: 4 E (> 0.5 to ≤ 1.0 N)



- **EN 13501-1 (fire behaviour)**

In combination with a hardly inflammable surface, e.g. materials of fire class A1 or A2: classification as B-s2,d0. The complete coating system (carrier board / glue / veneer or foil) is always used to classify the reaction to fire.



- **DIN 53160-1 and DIN 53160-2**

Perspiration and saliva-proof properties



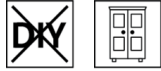
- **ÖNORM EN 71-3**

Safety of toys; migration of certain elements (free of heavy metals)



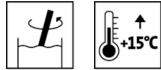
- **French ordinance DEVL1104875A**

Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For coating heavily used surfaces in furniture and interior fittings, including kitchen and sanitary areas. Application areas II - IV according to ÖNORM A 1610-12. The application area depends on the colour shade. Pure white and pastel shades meet the requirements except for a few colouring test materials.

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.
- To achieve the highest chemical resistance and "ring test"-resistant surfaces, we recommend coating with Bluefin Multilux Top (3853) in the desired gloss level.
- 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**.

Blending ratio

100 Part(s) by weight Pigmolux DC CC G30 (3493)
3 Part(s) by weight Aqua-Hardener 8450 (8450000210)

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing. We recommend waiting approx. 10 minutes before starting work.

Pot life

4 hour(s)

Mixed material can be processed for a further 4 hour(s), but must be mixed 1:1 with freshly hardened material. A further extension of the pot life is not possible. Increased temperatures reduce the pot life.

Please only prepare as much material as can be used within the pot life.

Application technique

	Curtain coater
Diluent	Water
Applied quantity per application (g/m²)	100 - 150
Total quantity applied (g/m²)	max. 450

The product is ready to use.

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 conditions

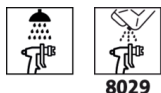
35 - 45 minutes	belt-type pallet drier (Rising temperature up to max. + 50 °C, air speed approx. 2 m/s)
or	
15 - 20 minutes	Flat channel dryer (Rising temperature up to max. + 50 °C, air speed approx. 2 m/s)

The mentioned system parameters are reference values, which must be coordinated with the respective plant. Drying depends, for example, on the type of wood, workpiece shape, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

UV curing

Feed rate 2 - 3 m/min when using 1 Ga emitter and 1 Hg emitter (power: 80 W/cm²)

Attention must be paid to adequate curing at the edges!

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).

Conveyor belts and material lines: Clean-Smart B&P (8015000210)

Heavily soiled material lines: Clean-Smart Gel (8060000210)

SUBSTRATE**Type of substrate**

Carrier plates 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

Film sanding Grit size 240

COATING SYSTEM**Primer coat**

1 – 2 x Bluefin Rocketfill CC (3140)
Intermediate sanding Grit size 320 – 360

Intermediate sanding

Grit size 280 – 360
Avoid sanding straight through!
Remove sanding dust.

Topcoat

1 x Pigmolux DC CC G30 (3493) in the desired colour

CLEANING AND MAINTENANCE**Cleaning and Maintenance**

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

ORDERING INFORMATION**Size of trading unit**

25 kg

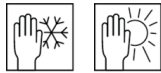
Colour shades / Glosslevels

Pigmolux DC CC G30 Gebrochen Weiß by Porta (3493079676)
RAL-shades, NCS-shades, etc. are available as special productions.

Supplementary products

ABS Kantenaktivator (8315)
Aqua-Cleaner 8029 (8029)
Aqua-Hardener 8450 (8450)
Bluefin Multilux Top (3853)
Bluefin Rocketfill CC (3140)
Clean-Möbelpflege Plus (7222)
Clean-Smart B&P (8015)
Clean-Smart Gel (8060)

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: 45 – 50 seconds according to DIN 53211
(4 mm measuring cup, 20 °C)

Safety information

The product is only suitable for industrial use.

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.