

Bluefin Pigmores 4in1 ST51

3520

High-quality, water-based **pigmented paint with textured effect**, can be applied directly onto MDF, for **furniture and interior finishing**, for use in **industry and trade**.

PRODUCT DESCRIPTION

General

Water-based, 2C pigmented furniture paint with textured effect for high-quality furniture surfaces with very good filling performance and sandability, very good chemical and mechanical resistance, good ring test resistance and good stability on vertical surfaces. The product is resistant to creams and grease. Can be applied directly onto MDF boards (please read the information to follow: "MDF boards"!). Bluefin Pigmores 4in1 ST can be used as an insulator, filler, coloured paint and spray-on paint.

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)**
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 $\leq 1,5$ N)
- **ÖNORM A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1
- **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
- **French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+

Application area



For the coating of furniture and interior finishing exposed to high levels of stress, such as tabletops and shelves in the kitchen and living area, bathrooms, offices and in the contract sector, fronts and permanently visible areas, surfaces used on seating furniture and not permanently visible areas. Application areas II to IV in accordance with ÖNORM A 1610-12.

For effective coating of MDF boards using the so-called "varnish on varnish" method: with 2 or 3 applications of Bluefin Pigmores 4in1 ST51 (3520), you can achieve a rich and substantial surface with very good ring test resistance on MDF boards.

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.
- 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



8452 10%

10 Part(s) by weight Bluefin Pigmores 4in1 ST51 (3520)
1 Part(s) by weight Aqua-Hardener 8452 (8452000210)

Aqua-Hardener 8452 (8452000210) must be carefully worked into the product by stirring before processing. We recommend waiting approx. 10 minutes before starting work.

Bluefin Pigmores 4in1 ST51 (3520) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life



5 hour(s)

Increased temperatures reduce the pot life.

A further extension of the pot life is not possible.

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		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Applied quantity per application (ml/m²)	120 - 200*		
Total quantity applied (ml/m²)	max. 450		

*closed-pore surfaces: approx. 130

open-pore coating systems in pastel shades and RAL 9010: approx. 150 – 200

open-core coating systems in solid colours approx. 120 – 150

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 times

(at 23 °C and 50 % rel. humidity)



Sandable and recoatable:	approx. 5 h
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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

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

SUBSTRATE**Type of substrate**

Carrier plates coated with priming film
MDF panels

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**Carrier plates coated with priming film:**

Film sanding Grit size 220 – 240

MDF panels:

Cleaning/smoothing sanding grit size 180 - 220

On MDF boards of good quality and a high bulk density (e.g. with 19 mm boards greater than 700 kg/m³), Bluefin Pigmores 4in1 ST51 (3520) can be used directly without pre-insulation. Boards of a lesser quality will need to be pre-insulated before the first coat of primer (e.g. with Bluefin Top-Antiscratch (2960)).

For sanitary applications, we generally recommend the use of moisture-resistant MDF boards of type V100 with pre-insulation. It is not recommended for use on horizontal surfaces that are frequently exposed to water, such as washstands.

COATING SYSTEM**Primer coat**

1 – 3 x Bluefin Pigmores 4in1 ST51 (3520) Drying overnight at room temperature.

depending on the desired substrate and body

Intermediate sanding

Grit size 280 – 360

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

Avoid sanding straight through!

Remove sanding dust.

Topcoat

1 x Bluefin Pigmores 4in1 ST51 (3520)

CLEANING AND MAINTENANCE

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

Size of trading unit	4 kg, 20 kg
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Colour shades / Glosslevels	Bluefin Pigmores 4in1 ST51 (3520) & colour number RAL colours, NCS colours and special colours can all be supplied. The product is available in various textures.
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Supplementary products	ABS Kantenaktivator (8315) Aqua-Cleaner 8029 (8029) Aqua-Hardener 8452 (8452) Bluefin Top-Antiscratch (2960) Clean-Möbelpflege Plus (7222) Clean-Möbelreiniger (7202) Please refer to the corresponding technical data sheets of the products.
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FURTHER DETAILS

Durability / storage



Min. 9 month(s) in the original sealed containers.
Cool, but frost-free.
Close opened containers well and use up the content as soon as possible.

Technical specifications

Delivery viscosity: 55 second – 65 second 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.