**Pache SARL** - 64 Route de Gravin, 74300 Magland
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# Technical data sheet

Paint runs through our veins.

## Bluefin Isospeed 3134

Water-based, opaque **pigmented spray filler** for **furniture and interior finishing**, for use in **industry and trade**

## PRODUCT DESCRIPTION

### General

Water-based, opaque spray filler which offers fast drying, very good filling performance and very good sandability (hand/machine sanding) for opaque pigmented coating systems. Can be used as either a single or two-component product. The 2C version has a very good insulating effect against water soluble, discolouring substances in the wood when an opaque coating is being created with water-based pigment paints, even in white and pastel shades.

### Special properties and standards

- **ÖNORM A 1605-12 (furniture surfaces)**
  Test 5: Resistance to flame: 5-B
- **ÖNORM A 3800-1 (fire behaviour)**
  In conjunction with a flame-retardant substrate: flame-retardant, Q1, Tr 1
- **declared product in baubook**
  Accordant to baubook with one-component processing / two-component processing
- **French ordinance DEVL1104875A**
  Marking of construction coating products for their emission of volatile pollutants: A+

### Application area

Primer for opaque pigmented coating systems for furniture and interior finishing.

For upright surfaces and for profiled workpieces and battens.

One-component processing: For coating surfaces in furniture and interior finishing that will not be subject to much wear, e.g. surfaces that are not always visible. Area of application IV in accordance with ÖNORM A 1610-12.

Two-component processing: For coating surfaces in furniture and interior finishing that will be subject to heavy wear, e.g. kitchen and bathroom fittings, tabletops. Areas of application II – IV in accordance with ÖNORM A 1610-12.

For hardly inflammable or flame-retardant coating systems.

Application in combination with a suitable topcoat system.

The area of application depends on the processing of the product and the topcoat system selected.

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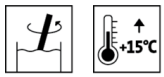
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied 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.

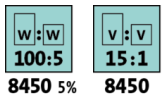
## PROCESSING

### 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.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- For a rich and substantial surface, you will need two or three applications of filler with sanding between each application.
- Depending on the type of wood but also on the growing area, the content of coloured, water-soluble substances in the wood can vary considerably. It is therefore recommended to always carry out a trial coating on a sample of the original wood in order to be able to assess the insulation result.
- When used as a two-component product, can also be recoated with solvent-based pigment paints such as Pigmopur G50 (2406) or Aduro Pigmocolor 4in1 (various qualities).
- If you use the 2C version of the product, it can be applied directly onto good quality MDF (bulk density > 700 kg/m³, homogenous).
- With multi-layer laminated substrate boards, we always recommend using the two-component version.
- 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 Bluefin Isospeed (3134)
5 Part(s) by weight Aqua-Hardener 8450 (8450000210)

or

15 part(s) by volume: Bluefin Isospeed (3134)
1 part(s) by volume: Aqua-Hardener 8450 (8450000210)

Bluefin Isospeed (3134) can optionally also be used with hardener and in the mixing ratios listed. Deviations lead to film and adhesion problems.

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing. Stirring is best done by machine using a basket agitator. It is recommended to use a 2K spray device.

### Pot life

6 hour(s) at approx. 20 °C

Increased temperatures reduce the pot life.

There is no recognizable end of the pot life. Processing is not possible after exceeding the pot life.

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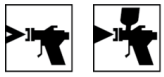
## Application technique



| | Airless | Airless air-supported (Airmix®, Aircoat, etc.) | Cup gun |
|---|---|---|---|
| **Applying device** | with pre-atomiser nozzle | - | |
| **Spraying nozzle Ø (mm)** | 0,28 - 0,33 | | 2,0 |
| **Spraying pressure (bar)** | 100 - 120 | | 2 - 3 |
| **Vaporizer Air (bar)** | - | 1 - 2 | - |
| **Applied quantity per application (g/m²)** | 150 - 200 | | |
| **Total quantity applied (g/m²)** | max. 750 | | |

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)

| | |
|---|---|
| Recoatable with Bluefin Isospeed (3134) | after a minimum of 3 hour(s) |
| Recoatable with Bluefin Pigmocryl NG (various qualities) | after a minimum of 12 hour(s) |
| Recoatable with Pigmopur G50 (2406) or Aduro Pigmocolor 4in1 (various qualities) | 12 hour(s) |
| Can be handled and stacked | 12 hour(s) |

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

## 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 varnishing, veneered or 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.

On good quality MDF boards with a high bulk density (e.g. with 19 mm boards exceeding 700 kg/m³) Bluefin Isospeed (3134) can be applied directly without preinsulation, hardened with 5 % Aqua-Hardener 8450 (8450). As with the 1C use of Bluefin Isospeed (3134), boards of a lesser quality will need to be pre-insulated before the first layer of filler (e.g. with Bluefin Unistar (2965)).

For applications in bathroom settings, we always recommend the use of moisture resistant MDF boards of types P3, P5 or P7 in accordance with ÖNORM EN 312 (formerly V100 in accordance with DIN 68763) and Bluefin Isospeed (3134) used as a 2C product. It is not recommended for use on

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| | |
|---|---|
| | horizontal surfaces that are frequently exposed to water, such as washstands. |
| **Substrate preparation** | **Hardwoods:** Wood sanding Grit size 150 – 180<br>**Softwoods:** Wood sanding Grit size 100 – 150<br>**Carrier plates coated with priming film:**<br>Film sanding Grit size 220<br>**MDF panels:** Cleaning/smoothing sanding grit size 180 - 220 |

## COATING SYSTEM

| | |
|---|---|
| **Primer coat** | 1 x Bluefin Isospeed (3134)<br>Intermediate drying: approx. 3 hour(s) |
| **Intermediate sanding** | Slight smooth sanding: Grit size 280<br>Remove sanding dust.<br>Avoid sanding straight through!<br>Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion! |
| **Intermediate coat** | 1 – 2 x Bluefin Isospeed (3134) |
| **Intermediate sanding** | Intermediate sanding Grit size 320 – 360<br>Remove sanding dust.<br>Avoid sanding straight through!<br>Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion! |
| **Topcoat** | 1 x Bluefin Pigmocryl NG (a range of qualities) in your chosen colour and degree of gloss. |

## ORDERING INFORMATION

| | |
|---|---|
| **Size of trading unit** | Bluefin Isospeed (3134): 4kg, 22kg<br>Aqua-Hardener 8450 (8450): 1x 200g, 1x 1.1kg |
| **Colour shades / Glosslevels** | **Standard colour(s):**<br>W10 Weiß, tönbar (3134000010)<br>Schwarz (3134500001)<br>Basis W30 (3134000030)<br>(Base W30 (3134000030) for tinting)<br>Other colour shades can be obtained using the **ADLER colour mixing system ADLERMix**. |
| **Supplementary products** | ABS Kantenaktivator (8315000210)<br>Aqua-Cleaner 8029 (8029)<br>Aqua-Hardener 8450 (8450)<br>Bluefin Unistar (2965)<br>Pigmopur G50 (2406)<br>Bluefin Pigmocryl NG (various qualities)<br>Aduro Pigmocolor 4in1 various qualities<br>Please refer to the corresponding technical data sheets of the products. |

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## FURTHER DETAILS

### Durability / storage

Min. 1 year(s) in the original sealed containers.

Cool, but frost-free.

### Technical specifications

Delivery viscosity: 3,000 – 3,500 mPas (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.**

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