Bluefin Isospeed

Water-based opaque pigmented spray filler for furniture and interior finishing for industrial and professional use.

**PRODUCT DESCRIPTION**

**General**

Water-based and quick-drying covering spray filler, high body and very good grindability (manual- / automatic sanding). Can be used optionally as one-component or two-component system. By using the two-component system very good insulation properties against water soluble discourting wood components.

**Special properties and standards**

- ÖNORM A 1605-12 (furniture surfaces)
  - Flame treatment: 5-B (hardly inflammable furniture surfaces)
- ÖNORM A 3800-1 (fire behaviour) in conjunction with a flame-retardant substrate and topcoat:
  - highly non-combustible or flame-retardant (formerly B 1 in accordance with B 3800 -1), Q1, Tr 1
- Accordant to Baubook with one-component processing
- French ordinance DEVL1104875A regarding the marking of construction coating products for their emission of volatile pollutants: A+

**Application area**

- One component coating: for the industrial large-scale coating of furniture and interior finishing exposed to normal levels of stress such as bedroom suite and living room furniture: application areas III to IV according to ÖNORM A 1610-12.
- Two component coating: for the coating of furniture and interior finishing exposed to high levels of stress such as kitchen furniture and sanitary facilities, table plates: application areas II to IV according to ÖNORM A 1610-12.
- Application in combination with a suitable topcoat system.
- Full-bodied primer for pigmented coating systems for furniture and interior finishing.
- Due to the excellent staying power also suitable for profiled work-pieces and batten.
- With two component processing good insulation effect against water soluble colouring wood-extractives, when opaque coatings are realized with water-based pigmented coats, also in the colour shades white and pastel.
- In the case of two-component processing it can also be recoated with solvent-based pigmented paints as e.g. ADLER Pigmopur 24005 ff or Aduro MDF-4in1 2201 ff.
- With two-component processing can be applied directly on high quality MDF.
- For multilayer glued supporting plates we recommend generally...
the two-component processing.
- For hardly inflammable and flame retardant coatings.
- Please observe the relative technical data sheets of the products.

### PROCESSING

#### Instructions for use
- Stir the product well before and during application.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- Minor quantities of application, too heavy sanding and/or stronger dilution will reduce the insulation effect!
- For a full-bodied surface it is necessary to apply the filler two or three times with intermediate sanding.
- Depending on the species of wood but also on the growing region, the content of the colouring water-soluble wood extractives may vary significantly. Therefore it is strongly recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the isolating success.
- Please follow our "Processing Guidelines for waterbased furniture paints".

#### Blending ratio

<table>
<thead>
<tr>
<th>Blending ratio</th>
<th>100 parts by weight of Bluefin Isospeed 3134</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>5 parts by weight of ADLER Aqua-PUR-Härter 82220</td>
</tr>
<tr>
<td>or</td>
<td>15 parts by volume of Bluefin Isospeed 3134</td>
</tr>
<tr>
<td></td>
<td>1 parts by volume of ADLER Aqua-PUR-Härter 82220</td>
</tr>
</tbody>
</table>

Bluefin Isospeed 3134 can be used optionally with a hardener and in the blending ratio specified. Any deviations will cause film and adhesion defects.

ADLER Aqua-PUR-Härter 82220 (hardener) must be thoroughly mixed in the filler component prior to application. This should be done mechanically using a cage-type mixing paddle! It is recommended to use a 2K spraying machine.

#### Pot-Life

6 hours at approx. 20 °C; higher temperatures will reduce the pot-life.

The paint/hardener mixture has not gelled after such period of time. Application, however, is no longer possible once the pot life has been exceeded.
### Application technique

<table>
<thead>
<tr>
<th>Application method</th>
<th>Airless</th>
<th>Airless air supported (Airmix, Aircoat etc.)</th>
<th>Cup gun</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray nozzle (ø mm)</td>
<td>0.28 – 0.33 with preatomizer</td>
<td>0.28 – 0.33</td>
<td>2.0</td>
</tr>
<tr>
<td>Spraying pressure (bar)</td>
<td>100 - 120</td>
<td>100 - 120</td>
<td>3 - 4</td>
</tr>
<tr>
<td>Atomized air (bar)</td>
<td>-</td>
<td>1 - 2</td>
<td>-</td>
</tr>
<tr>
<td>Dilution (thinner)</td>
<td>-</td>
<td>water</td>
<td>-</td>
</tr>
<tr>
<td>Thinner Add-on in %</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Viscosity (s) 6 mm cup 20°C</td>
<td>approx. 65</td>
<td>approx. 65</td>
<td>approx. 65</td>
</tr>
<tr>
<td>Application quantity (gm/m²)</td>
<td>approx. 150 - 200 per application; Total application quantity: maximum 750</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The shape, the properties and wood moisture of the substrate affect the consumption / yield. Accurate values for consumption must be obtained by applying trial coats in advance.

### Drying times

<table>
<thead>
<tr>
<th>(at 23 °C and 50 % rel. humidity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recoatable with Bluefin Isospeed 3134</td>
</tr>
<tr>
<td>Recoatable with ADLER Pigmocryl NG</td>
</tr>
<tr>
<td>Recoatable with ADLER Pigmopur 24005 ff or Aduro MDF-4in1 2201 ff</td>
</tr>
<tr>
<td>Manipulable and staccable</td>
</tr>
</tbody>
</table>

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, 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 ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

### SUBSTRATE

#### Type of substrate

Solid wood or wood particle/wood fibre material, veneered or coated with priming film, which are suitable for opaque coatings.

#### Substrate property (or condition)

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 high-quality MDF panels presenting a high apparent density (e.g. 19 mm boards higher than 700 kg/m³), Bluefin Isospeed 3134, hardened with 5 % ADLER Aqua-PUR-Härter 82220, can be applied directly, without pre-insulation. Boards of lower quality as well as in case of one-component application of Bluefin Isospeed 3134, sealing before the first layer of filler application is necessary (e.g. with ADLER Aqua-Soft CFB 30361ff.).

For applications on sanitary facilities we recommend using generally humidity-resistant MDF panels, type V100 and Bluefin Isospeed.
3134 two-component processing. We advise against application on horizontal surfaces which get frequently in contact with water, e.g. washbasins.

**Preparation of the substrate**
- **Hardwood**: sanding using grain size 150 – 180
- **Softwood**: sanding using grain size 100 – 150
- **Supporting plates coated with priming film**: film sanding with grain size 220
- **MDF boards**: Cleaning / intermediate sanding with grain size 180 – 220

**COATING SYSTEM**

**Primer coat**
1 x Bluefin Isospeed 3134
Intermediate drying: at least 3 hours

**Intermediate sanding**
Slight intermediate sanding with grain size 280.
Avoid sanding straight through!
Intermediate sanding must be done immediately prior applying the topcoat in order to ensure proper intermediate adhesion.

**Intermedio coat**
1 - 2 x Bluefin Isospeed 3134
After the last filler application a drying time of minimum 12 hours (room temperature) is necessary before the intermediate sanding in order to obtain an excellent stability of the following topcoat or by using two-component processing to secure an optimal insulation effect.

**Intermediate sanding**
Intermediate sanding with grain size 320 - 360.
Avoid to sand straight through!
Intermediate sanding must be done immediately prior to apply the topcoat in order to ensure proper intermediate adhesion.

**Topcoat**
1 x ADLER Pigmocryl NG 3201 ff in the desired colour shade and degree of gloss
Please follow the respective technical data sheets of the products.

**MAINTENANCE OF THE WHOLE COATING SYSTEM**
Clean with ADLER Clean Möbelreiniger 96490.
Please follow the respective technical data sheets of the products.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Size of trading unit</th>
<th>Bluefin Isospeed 3134</th>
<th>ADLER Aqua-PUR-Härter 82220</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4 kg</td>
<td>1 x 200 g</td>
</tr>
<tr>
<td></td>
<td>22 kg</td>
<td>1 x 1,1 kg</td>
</tr>
</tbody>
</table>

**Colour / degree of gloss**

<table>
<thead>
<tr>
<th>Standard colour shades:</th>
</tr>
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<tbody>
<tr>
<td>Weiß W10</td>
</tr>
<tr>
<td>Schwarz</td>
</tr>
<tr>
<td>Base W30</td>
</tr>
</tbody>
</table>

3134000010 3134500001 3134000030 (for tinting)

Other colour shades can be obtained using the ADLER colour blending system ADLERMix.
Complementary products

- ADLER Aqua-PUR-Härter 82220
- ADLER Aqua-Soft CFB 30361 ff
- ADLER Pigmocryl NG 3201 ff
- ADLER Pigmopur 24005 ff
- Aduro MDF-4in1 2201 ff
- ADLER Aqua-Cleaner 80080
- ADLER Clean-Möbelreiniger 96490

FURTHER DETAILS

Durability / storage

- At least 9 month in the original sealed containers.
- Store cool but frost-free.

Technical specifications

- Delivery viscosity: Approx. 65 ± 5 s according to DIN 53211 (6-mm-cup, 20°C)
  ca. 3.500 ± 500 cP
- Mixing viscosity: Approx. 60 ± 5 s according to DIN 53211 (6-mm-cup, 20°C)

Safety-related information

- Please follow the associated safety data sheet, the latest version can be retrieved from the Internet at www.adler-lacke.com.
- The product is only suitable for the industrial and professional use.
- In general, you must avoid inhaling paint aerosols when spraying; this is ensured by proper use of a breathing mask (combination filter A2/P2 – EN 141/EN 143).