Technical data sheet

Acryl-Flutfüller Weiß 5510050000

Water-based primer/intermediate coat for wooden windows and front doors for industrial and professional use. It has been matched as a system with a 3-coat structure using Aquawood TIG HighRes and ADLER Acryl-Spritzlack.

PRODUCT DESCRIPTION

General
Water-based, white intermediate coat. Very good insulation, very good filling power and very good block resistance in the coating system with ADLER Acryl-Spritzlack. Improves the weather-resistance of the coating structure due to an excellent moisture proof. High filling power and very good pore wetting on coarsely porous timbers (Meranti).

Special properties and standards
• The coating is protected against blue stain and mold by a biocidal active substance.
  
  Active substance:
  0.4 % (0.4 g / 100 g) Tebuconazole

• French ordinance DEV1104875A regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas
• Dimensionally stable timber components for exterior such as wooden windows, front doors or garage gates in the usage class 2 and 3 without soil contact.

PROCESSING

Instructions for use
• Please stir the product before use. However, prevent entry of air while stirring.

• The temperature of the product and object, and the room temperature must be at least +15 °C.

• The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.

• The product is not weather-resistant without a topcoat!

• In case of flow coating for a long time, the pH-value reduces and, as a result, there could be sagging problems. Hence, the pH value of impregnations that have already been used must be checked and, if required, corrected to the target pH-value of 8.50 – 9.30 by adding 0.05 – 0.10 % of the neutralisation agent 96149 (the addition of 0.10 % will increase the pH-value up to approx. 0.5 units).
• In case of an increase of viscosity in consequence of evaporation it will be necessary to adjust with water (nominal viscosity: 14 - 16 s in 4 mm cup). Before measuring the wood dust has to be screened.

• On foam generation in the liquid agitation machine we recommend an addition of 0.1 – 0.3 % Entschäumerlösung 90642.

• Please follow our “Working guideline for coating dimensionally stable and limited dimensionally stable construction elements” along with all standards and guidelines for window construction.

### Application technique

<table>
<thead>
<tr>
<th>Application method</th>
<th>Flow coating</th>
<th>Immersion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity (s) 4-mm cup, 20°C</td>
<td>14 - 16</td>
<td></td>
</tr>
<tr>
<td>Yield per application (g/m²)</td>
<td>150 - 200</td>
<td></td>
</tr>
</tbody>
</table>

The product is ready to use.

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

### Drying times

(9 at 23°C and 50 % rel. humidity)

| Recoatable at room temperature: | after approx. 4 hours |
| Recoatable after forced drying: | after 90 min |
| 20 min dripping | |
| 50 min drying stage (35–40°C) | |
| 20 min cooling stage | |

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.

Avoid direct sunlight (very quick drying).

### Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe 95125.

### SUBSTRATE

<table>
<thead>
<tr>
<th>Type of substrate</th>
<th>Wood in accordance with the guidelines for window construction.</th>
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<tbody>
<tr>
<td>Substrate property (or condition)</td>
<td>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.</td>
</tr>
<tr>
<td>Wood moisture</td>
<td>Dimensionally stable components: 13 % +/- 2 %</td>
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</tbody>
</table>
**COATING SYSTEM**

**Primer coat**

1 x Aquawood TIG HighRes Weiß 543700101  
Intermediate drying: approx. 4 hours  
or  
ADLER Acryl-Flutfüller Weiß 5510050000  
Intermediate drying: approx. 4 hours  
(applies to timbers of durability class 1-3 according to EN 350-2)

Please observe the relative technical data sheets of the products.

**Intermediate coat**

ADLER Acryl-Flutfüller Weiß 5510050000  
Intermediate drying: at least 4 hours

**Intermediate sanding**

Grit size 220 – 240  
Remove the wood dust.

**Topcoat**

ADLER Acryl-Spritzlack Q10 M 4320  
Wet-film thickness 200 – 250 µm

Please observe the relative technical data sheets of the products.

**ORDERING INFORMATION**

**Size of trading unit**

25 kg, 150-kg-poly drum

**Colour / degree of gloss**

Weiß 5510050000

**Supplementary products**

Aquawood TIG HighRes Weiß 543700101  
ADLER Acryl-Spritzlack Q10 M 4320  
ADLER Top-Cleaner 51696  
ADLER Neutralisationsmittel 96149  
ADLER Entschäumerlösung 90642

**FURTHER DETAILS**

**Durability/storage**

At least 1 year in the original sealed containers.  
Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

**Technical specifications**

Delivery viscosity 15 s in accordance with DIN 53211 (4-mm-cup, 20°C)  

**Safety-related information**

Please pay attention to the associated safety data sheet. The current version can be accessed on the Internet at [www.adler-lacke.com](http://www.adler-lacke.com).  
The product is only suitable for industrial and professional use.