

## Aquawood Dura-Base D

5821

**Opaque 1C intermediate coat for exterior doors**, for use in industry and trade  
Optimised for use with Aquawood Dura-Finish D

### PRODUCT DESCRIPTION

#### General

Water-based, pigmented 1C intermediate coat.  
The product is block-resistant and also offers very good wet adhesion, excellent insulation, very good filling performance and very good sandability.

#### Special properties and standards



- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

#### Application area



Exterior doors, balcony doors, lift and slide elements and garage doors in outdoor and indoor areas.

### PROCESSING

#### Processing instructions



- 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 %.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- When changing from Aquawood Dura-Base D (5821) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- 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 305 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Coating of front doors and garage doors.**

## Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)
Spraying nozzle Ø (mm)	0,28 - 0,33	
Spray nozzle (Ø inch)	0,011 - 0,013	
Nozzle angle (°)	20 - 40	
Spraying pressure (bar)	80 - 100	
Vaporizer Air (bar)	-	0,5 - 1,5
Spraying distance (cm)	25	
Fine strainer (mm)	150 (100 Mesh)*	
Applied quantity per application (g/m²)	225 - 275	
Wet film (µm)	150 - 200	

\* Smaller meshes are unsuitable

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)



Recoatable at room temperature	approx. 4 h
Recoatable after accelerated drying 20 minutes drip-off time 50 minutes drying phase (35 – 40 °C) 20 minutes cooling off phase	approx. 90 minutes
Full manifestation of the product's final characteristics	approx. 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.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

## Cleaning the working equipment



8029

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

Wood in accordance with the guidelines for window construction. / MDF panels (approved for outdoor use)


## 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.

**MDF panels:** Please use only moisture-resistant MDF panels of type 100 or qualities recommended by the manufacturer for outdoor use.

## Wood moisture

13 % ± 2 %

<b>Substrate preparation</b>	Front doors in MDF quality: Sanding Grit size 180 – 220
<b>COATING SYSTEM</b>	
<b>Impregnation</b>	<p><b>Hardwoods and softwoods:</b></p> <p>1 x Aquawood Primo A2 (5452)</p> <p>Intermediate drying time: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.</p> <p>Please follow our <b>ARL 056 - Working guideline for the use of wood preservatives</b>.</p>
<b>Primer coat</b>	<p><b>Only required for MDF (deep primer application / water protection / adhesion promoter):</b></p> <p>Additional priming with the solvent-based product 2K-Epoxy-Grund (5604) is required: Pre-coat milled surfaces and edges without thinning, dry for at least 4 hours. Smooth sanding grit size 240. Spray generously over the entire surface. Dilution for spraying is about 25-30 % of Epoxy-Spritzverdünner 8011 (8011). Intermediate drying time: approx. 12 hours (over night)</p>
<b>Intermediate coat</b>	<p><b>MDF / Softwoods:</b></p> <p>1 x Aquawood Dura-Base D (5821)</p> <p><b>Hardwoods and Larch:</b></p> <p>1 – 2 x Aquawood Dura-Base D (5821)</p> <p>Intermediate drying time: approx. 4 hour(s)</p>
<b>Intermediate sanding</b> 	<p>Slight smooth sanding: Grit size 220 – 280</p> <p>Remove sanding dust.</p>
<b>Finishing coat</b>	1 x Aquawood Dura-Finish D (5825)
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	5 kg, 25 kg
<b>Colour shades / Glosslevels</b>	<p><b>Standard colour(s):</b>          Weiß (5821050000)</p> <p>It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.</p>
<b>Supplementary products</b>	<p>2K-Epoxy-Grund (5604)          Aqua-Cleaner 8029 (8029)          Aquawood Dura-Finish D (5825)          Aquawood Primo A2 (5452)          Epoxy-Spritzverdünner 8011 (8011)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

## 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

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Aquawood Dura-Base D (Cat A/d): 130 g/l.  
Aquawood Dura-Base D contains a maximum of 40 g/l VOC.

### Giscode

BSW20

### DGNB (German Sustainable Building Council)

Quality level 4 (with factory coating)

### Safety information



The product is only suitable for the industrial and professional use.

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

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](http://www.adler-lacke.com).