

Aquawood MDF-Primer

5439

Water-based colourless primer for opaque coating of front doors made of MDF **for industrial and professional use**

Compatible in **combination** with **Aquawood Protor-Base D** and **Aquawood Protor-Finish D**.

PRODUCT DESCRIPTION

General

Water-based, colourless, 1-component primer for MDF for interior and exterior areas with excellent adhesion and very high water resistance especially for the Aquawood Protor coating system for front doors.

Special properties and standards



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

Application area



- High-quality front doors made of MDF

PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- The optimal conditions for processing or use are between 15 - 25°C at relative atmospheric humidity of 40 - 80%.
- 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



Application method	Brushing, rolling	Airless Air-supported (air mix, air coat, etc.)	Compressed-air cup gun
Spraying nozzle (ø mm)		0,28 – 0,33	2,2
Spraying nozzle (ø inch)		0,011 – 0,013	
Spraying pressure (bar)		80 – 100	3 - 4
Atomized air (bar)		1 – 2	-
Application quantity (µm)	ca. 125 - 150		

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

Trockenzeiten

(bei Raumtemperatur 20 °C)



Dust-dry	after approx. 30 min
Tack-free	after approx. 4 hours
Through-dried	after approx. 12 hours

The figures given above are reference values. The drying time depends on the 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.

Remove flashed-off coat residues using ADLER Aqua-Cleaner 80080 or ADLER Abbeizer Rote Krähe (Red Crow) 95125.

SUBSTRATE

Type of substrate

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


Substrate property (or condition)

The substrate must be dry, clean, capable of holding the paint and free of grease, wax and wood dust.

Sanding grain size 150.

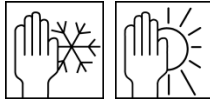
Wood moisture

Dimensionally stable components: 13 % +/- 2 %

COATING SYSTEM	
Primer coat	<p>Pre-coat surfaces treated with milling machines and edges with Aquawood MDF-Primer and allow them to dry for at least 4 hours. Sand smoothly with grain size 240. Overspray the whole surface with Aquawood MDF-Primer undiluted. Wet film 125 to 150 µm.</p> <p>At least 4 hours drying time</p>
Intermediate sanding	Smooth sanding with grain size 240
Intermediate coat	<p>1 x Aquawood Protor-Base D 43740</p> <p>Please observe the relative technical data sheets of the products.</p>
Intermediate sanding 	Grain size 220 – 240
Topcoat	<p>1 x Aquawood Protor-Finish D 5173</p> <p>Please observe the relative technical data sheets of the products.</p>
MAINTENANCE & RENOVATION	
Maintenance	<p>The storage stability depends on several factors. These include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour shades applied.</p> <p>Preservation work must be carried out in time for a long period of storage stability. Annual maintenance is recommended for this purpose.</p> <p>Cleaning with ADLER Top-Cleaner 51696 and preservation using ADLER Door-Finish 51700 in the ADLER Haustürenpflegeset (front door preservative kit) 51709.</p> <p>Touch up small damage with the original material.</p> <p>Please observe the relative technical data sheets of the products.</p>
Renovation	<p>With Pullex Renovier-Grund 50236 ff and Pullex Color 50530 ff, alternatively Pullex Aqua-Color 53331 ff.</p> <p>Please observe the relative technical data sheets of the products.</p>
ORDERING INFORMATION	
Size of trading unit	2,2 kg; 8 kg;
Colour / degree of gloss	<p>Standard colour shades:</p> <p>Farblos (colourless) 5439000200</p>
Supplementary products	<p>ADLER Aqua-PUR-Härter 82220</p> <p>ADLER Aqua-Cleaner 80080</p> <p>ADLER Abbeizer Rote Krähe 95125</p> <p>ADLER Top-Cleaner 51696</p> <p>ADLER Door-Finish 51700</p> <p>ADLER Haustürenpflegeset 51709</p> <p>Aquawood Protor-Base D 43740</p> <p>Aquawood Protor-Finish D 5173 ff</p> <p>Pullex Renovier-Grund 50236 ff</p> <p>Pullex Color 50530 ff</p> <p>Pullex Aqua-Color 53331 ff</p>

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

VOC content

EU limit value for Aquawood MDF-Primer (Kat. A/d): 130 g/l (2010). Aquawood MDF-Primer contains maximum 40 g/l VOC (Volatile Organic Compounds).

Safety-related information



Please follow the associated safety data sheet! The latest version can be retrieved from the Internet at www.adler-lacke.com.

In general, you must avoid inhaling paint aerosols. This is ensured by proper use of a breathing mask (combination filter A2/P2 – EN 141/EN 143).