

Aquawood MDF-Primer

5439

Colourless primer for **MDF exterior doors**, for use in industry and trade
Optimised for use with Aquawood Protor-Base D and Aquawood Protor-Finish D

PRODUCT DESCRIPTION

General

Water-based, colourless 1C primer for MDF in indoor and outdoor areas. Stand-out features of this product include very good adhesion, very good resistance to water and good coverage.

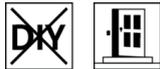
Special properties and standards



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

Application area

High-quality wooden front doors of moisture resistant MDF.



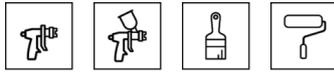
PROCESSING

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 %.
- When changing from Aquawood MDF-Primer (5439) 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. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- 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 air-supported (Airmix®, Aircoat, etc.)	Cup gun	Brushing	Rolling
Applying device	-	Druckbecherpistole	-	-
Spraying nozzle Ø (mm)	0,28 - 0,33	2,2	-	-
Spray nozzle (Ø inch)	0,011 - 0,013	-	-	-
Spraying pressure (bar)	80 - 100	3 - 4	-	-
Vaporizer Air (bar)	1 - 2	-	-	-
Applied quantity per application (g/m ²)	125 - 150			
Wet film (µm)	125 - 150			

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)



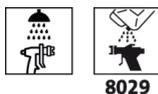
Dust-dry (ISO 1517)	approx. 30 minute
Tack-free	approx. 4 hour(s)
Dried through	approx. 12 hour(s)

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



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

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

Substrate preparation

Sand with grit size 150 and clean.

COATING SYSTEM

Primer coat

Spray across the entire surface with Aquawood MDF-Primer (5439) + 50 % water.

Wet film thickness: 125 - 150 µm
 Intermediate drying time: approx. 1 hour(s)
 Pre-coat millings and edges with Aquawood MDF-Primer (5439) non diluted.
 Spray across the entire surface with Aquawood MDF-Primer (5439) unthinned.
 Wet film thickness: 125 - 150 µm
 Intermediate drying: approx. 4 hour(s)

Intermediate sanding



Grit size 240 – 280
 Remove sanding dust.
 Avoid sanding straight through!

Intermediate coat

1 x Aquawood Protor-Base D (5806)

Intermediate sanding



Grit size 220 – 280
 Remove sanding dust.

Topcoat

1 x Aquawood Protor-Finish D (5808)

ORDERING INFORMATION

Size of trading unit

5 kg, 25 kg

Colour shades / Glosslevels

Aquawood MDF-Primer Farblos (5439000200)

Supplementary products

Aqua-Cleaner 8029 (8029)
 Aquawood Protor-Base D (5806)
 Aquawood Protor-Finish D (5808)
 Please refer to the corresponding technical data sheets of the products.

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 MDF-Primer (Cat A/d): 130 g/l.
 Aquawood MDF-Primer contains a maximum of 30 g/l VOC.

Giscode

BSW30

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.
