

2K-Fenstergrundlack

5509

Solvent-based, white primer and intermediate coat for industry and trade

PRODUCT DESCRIPTION

General

Solvent-based, pigmented 2C primer and intermediate coat. Stand-out features of this product include outstanding pore wetting, fast drying and an especially good insulating effect for active substances in the wood. Reinforces the wood substrate and creates strong hydrophobisation (water-repellent effect). The product has been formulated without any aromatic solvents.

Special properties and standards



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

Application area



For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.

Especially suitable for use on iroko.

PROCESSING

Processing instructions



- **Spraying is only allowed in spray booths complying with the VOC Directive.**
- 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 use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not close containers with hardened material.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- Too high dry film thicknesses from approx. 120 µm reduce the diffusion capacity and should thus be avoided.
- 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 300 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - General part** along with all standards and guidelines for window construction.

Blending ratio



5 Part(s) by weight 2K-Fenstergrundlack (5509)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

or

3.5 part(s) by volume: 2K-Fenstergrundlack (5509)
1 part(s) by volume: PUR-Hardener 8419 (8419000210)

2K-Fenstergrundlack (5509) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

PUR-Hardener 8419 (8419000210) must be carefully worked into the product by stirring before processing. After addition of hardener, a waiting time of approx. 10 minutes is recommended for improved degassing.

Pot life



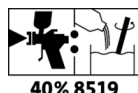
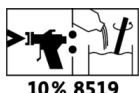
8 hour(s)

Mixed material can be used one more working day, but must be mixed 1:1 with freshly hardened material.

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,23 - 0,28		1,8
Spraying pressure (bar)	100 - 120		3 - 4
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünnung (8519)		
Diluent amount added (%)	10		40
Viscosity 4-mm-cup (s)	23		18 - 20
Applied quantity per application (g/m²)	150 - 230		
Wet film (µm)	100 - 150		

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)



Grindable	4 hour(s)
Recoatable (solvent-based paints)	4 hour(s)
Recoatable (water-based paints)	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



8519

With DD-Verdünnern 8519 (8519) immediately after use.

SUBSTRATE

Type of substrate

Fine pored and coarsely porous hardwoods / Softwoods / 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 %

Substrate preparation

Wood sanding:

Hardwoods: Grit size 150 - 180

Softwoods: Grit size 120 - 150

Fine cross-sanding with 240 grit significantly reduces the roughness of the wood caused by the impregnation.

MDF panels:

Sanding Grit size 240

COATING SYSTEM

General

The following coating systems are exemplary.

Impregnation

Hardwoods and softwoods:

1 x Aquawood Primo A2 (5452)

Intermediate drying time: approx. 4 hours

Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.

Please follow our **ARL 056 - Working guideline for the use of wood preservatives**.

Primer coat

Hardwoods and softwoods:

1 x 2K-Fenstergrundlack (5509)

Intermediate drying time: approx. 4 hour(s)

MDF panels:

1 x 2K-Fenstergrundlack (5509)





Note:

Pre-spray or paint milling first.

Intermediate drying time: approx. 4 hour(s)

Spray surfaces afterwards.

Intermediate drying time: approx. 12 hours

Intermediate sanding 	Grit size 220 – 280 Remove sanding dust.
Intermediate coat	Only necessary with hardwoods: 1 x 2K-Fenstergrundlack (5509) Intermediate drying time: approx. 12 hours MDF panels: 1 x 2K-Fenstergrundlack (5509) Intermediate drying time: approx. 4 hour(s)
Intermediate sanding 	Only for front doors in MDF quality Grit size 280 – 320 Remove sanding dust.
Finishing coat	Hardwoods and softwoods: Aquawood Covatop XT 20 (5020) or Aquawood Covapro 20 (5023) Only for front doors in MDF quality 1 x Aquawood Protor-Finish D (5808)
For front doors	An additional application of Aquawood Protect (5128) (colourless two-component varnish) is necessary.
ORDERING INFORMATION	
Size of trading unit	4 kg (selected colours), 20 kg, 180 kg (selected colours)
Colour shades / Glosslevels	Base paint(s): 2K-Fenstergrundlack Weiß (5509050000) 2K-Fenstergrundlack ca. RAL6009, Grün (5509100535) 2K-Fenstergrundlack ca. RAL3011 (5509100536) 2K-Fenstergrundlack ca. RAL7016 Anthrazitgrau (5509100537)
Supplementary products	Aquawood Covapro 20 (5023) Aquawood Covatop XT 20 (5020) Aquawood Primo A2 (5452) Aquawood Protect (5128) Aquawood Protor-Finish D (5808) DD-Verdünner 8519 (8519) PUR-Hardener 8419 (8419) 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 2K-Fenstergrundlack (Cat A/h): 750 g/l.
2K-Fenstergrundlack contains a maximum of 500 g/l VOC.

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**.
