

ADLER Aqualux-Grund

29003 ff

Water-based, **UV-curing furniture primer** for **industrial and professional** use
Compatible in combination with ADLER Aqualux MSL

PRODUCT DESCRIPTION

General

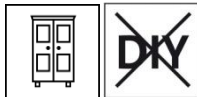
Water-based primer for large-scale industrial coating of wood. Excellent sanding properties, good firmness on vertical surfaces, good body, various types of grain accentuation.

Special properties and standards



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

Application areas



- For the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture: Application areas II – IV according to ÖNORM A 1610-12.
- Suitable for large-scale industrial coating.
- Highly non-flammable or flame-retardant structures.

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.
- Different types of wood such as oak, larch etc. contain water-soluble components, which can be activated by coating with water-based furniture varnishes. By using ADLER Aqualux-Grund 29003, the resulting, at times pronounced discolouration (greenish cast) can be prevented. For **larch** we recommend **ADLER PUR-Primer 25291**.
- The structure of ADLER Aqualux-Grund 29003 / ADLER Aqualux-MSL is characterised by good transparency and grain accentuation of the wood substrate. If an even more pronounced grain accentuation is wanted on dark timbers, the wood should be stained before painting or primed with stained ADLER PUR-Speedprimer 25292 ff.
- Coating cycles with ADLER Aqualux-Grund 29007 lead to a natural grain accentuation.

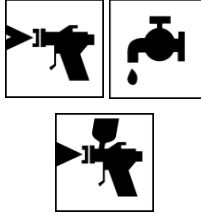
01-16 (supersedes 07-15) ZKL 3704

ADLER-Werk Lackfabrik, A-6130 Schwaz
Tel: 0043/5242/6922-190, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for modification of the container sizes, colour shades and degree of gloss.

- As regards wood stains that can be used under water-based UV paints, please contact your technical adviser.
- Please follow our “**Working guidelines for water-based furniture varnishes**”.

Application technique



Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.23 - 0.33	0.23 - 0.33	1.8
Spray gun pressure (bar)	100 - 120	100 - 120	approx. 3 - 4
Atomising air (bar)	-	1 - 2	-
Dilution (thinning)	water		
Thinner amount added in %	-	-	-
Viscosity (s) 4 mm cup, 20°C	100	100	100
Application quantity (g/m ²)	approx. 90 - 120 per application; total quantity applied (primer and top coat) up to max. 450		

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

Drying conditions

Belt-type pallet drier (maximum temperature 50 °C)	35 - 45 min.
Flat channel drier (maximum temperature 50 °C, air speed approx. 2 m/s)	15 - 20 min.

The figures given above are reference values, which must be coordinated with the respective facility. The drying time depends e.g. on the type of wood, coat thickness, temperature, air exchange and relative humidity.

UV curing



	Feed
Ga-doped UV high-power radiator 80 - 100 W/cm (with one radiator)	2 - 3 m/min

The feed can be increased in direct proportion to the number of radiators.

Cleaning the working equipment



With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

Belt cleaning: ADLER Bandreinigungslösung 80066

SUBSTRATE

Type of substrate	Fine and coarse-pored hardwoods, softwood
Substrate property (or condition)	The substrate must be dry, clean, capable of holding the paint, free from separative substances such as grease, wax, silicone, resin etc. and free from wood dust, and must be checked to see whether it is suitable of being coated.
Preparation of the substrate	<p>Hardwoods: Sand with grit size 150 - 180 and clean.</p> <p>Softwoods: Sand with grit size 100 - 150 and clean.</p>

COATING SYSTEM

Primer coat	1 x ADLER Aqualux-Grund 29003 ff
Intermediate sanding	<p>Grit size 240 - 320</p> <p>Sanding straight through must be avoided, as this may lead to differences in the grain accentuation, which are further increased by yellowing with ageing.</p>
Applying the topcoat	1 x water-based UV furniture varnish such as ADLER Aqualux MSL 29181 ff



Cleaning & care

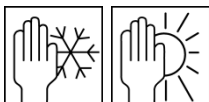
Cleaning with ADLER Clean Möbelreiniger 96490.
 Preservation with ADLER Clean Möbelpflege 96491.
 Please observe the respective technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit	25 kg More sizes on request.				
Grain accentuation types	<table border="0"> <tr> <td>Intense</td> <td>29003</td> </tr> <tr> <td>Natural</td> <td>29007</td> </tr> </table>	Intense	29003	Natural	29007
Intense	29003				
Natural	29007				
Supplementary products	<p>ADLER Aqua-Cleaner 80080</p> <p>ADLER Bandreinigungslösung 80066</p> <p>ADLER Aqualux MSL 29181 ff</p>				

FURTHER DETAILS

Durability / storage	<p>At least 6 months in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p>
Technical specifications	Delivery viscosity 100 ± 5 s in accordance with DIN 53211



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**.

The product is only suitable for industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2 – EN 141/EN 143).
