

## ADLER Aqualux Spritzfüller Weiß

29211

Water-based, UV-curing furniture primer **for industrial use**

### PRODUCT DESCRIPTION

#### General

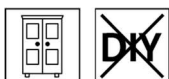
Water-based, UV-curing two-component spray filler with very good body and sanding properties as well as rapid curing development. Very good insulating properties with water-soluble, dyeing substances in the wood; can be used directly on MDF panels (observe following information, "MDF panels"!).

#### Special properties and standards



- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate:  
flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

#### Application areas



- Full-bodied, UV-curing two-component-primer coat for pigmented paint surfaces in furniture and interior finishing.
- ADLER Aqualux Spritzfüller Weiß 29211 can be used as a primer for water-based pigmented coatings such as ADLER Pigmolux DC (various qualities).
- For insulating all covering pigmented, water-based coating systems, also in the white colour range as well as in pastel shades, on types of wood with water-soluble, colouring wood extractives such as ash.
- Due to the good firmness on vertical surfaces very suitable for profiled work pieces and battens (3D-UV-dryer necessary).

### 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.
- Depending on the type of wood but also on the growing area, the content of coloured, water-soluble substances in the wood can vary considerably. It is therefore recommended to always carry out a trial coating on a sample of the original wood in order to be able to assess the insulation result.
- If plastic edges are used, an adhesion test must always be carried out with the planned coating system. When using ADLER ABS-Kantenaktivator 8315000210 an adhesion improvement can be achieved on ABS edges.

02-20 (supersedes 11-14) ZKL 3310

ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions for use are based on knowledge available currently and shall guide the buyer/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 buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability 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 the modification of the container sizes, colour shades and degrees of gloss available.

- Please follow our **ARL 150 - Working guideline for water-based furniture coatings.**

### Blending ratio



3% 82220

ADLER Aqualux Spritzfüller Weiß 29211 can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

100 parts by weight ADLER Aqualux Spritzfüller 29211  
3 parts by weight ADLER Aqua-PUR-Härter 82220

Carefully stir ADLER Aqua-PUR-Härter 82220 into the filler components, best done by machine with a basket agitator. It is recommended to use a 2K spray device.

### Pot life



4 hours at approx. 20 °C; increased temperatures reduce the pot life

### Application technique



5%

Application method	Airless	Airmix, air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0,28 - 0,33	0,28 - 0,33	1.8 - 2.2
Spraying pressure (bar)	100 - 120	100 - 120	approx. 3 - 4
Atomising air (bar)	-	1 - 2	-
Dilution (thinning)	water Dilution with water extends the drying and reduces the insulation properties.		
Thinner amount added in %	-	-	approx. 5
Viscosity (sec.): 6-mm-cup, 20 °C	70	70	approx. 55
Application quantity per application (g/m <sup>2</sup> )	approx. 150 - 200; total quantity applied (primer and top coat) max. 500		

The shape, the 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****Flashing off the water:**

45 - 60 min belt-type pallet drier (maximum temperature 50 °C)  
or  
30 - 40 min flat channel drier (maximum temperature 50 °C,  
air-speed approx. 2 m/s)

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

**UV curing**

Feed rate 2 - 3 m/min when using 1 Ga-doped radiator and 1 Hg radiator (power: 80 W/cm<sup>2</sup>)

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).

**SUBSTRATE****Type of substrate**

Solid wood, wood shaving- or wood fibre materials suitable for opaque varnishing, veneered or coated with priming film, MDF panels.

**Substrate property (or condition)**

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

ADLER Aqualux Spritzfüller 29211 can be used directly on MDF panels of good quality and with a high moulded density (e.g. on 19-mm boards greater than 700 kg/m<sup>3</sup>) without pre-insulation. Panels of lower qualities must be pre-insulated before the first layer of filler (e.g. ADLER Aqua-Soft CFB 30361 ff).

For sanitary applications, we generally recommend the use of moisture-resistant MDF panels of type V100. It is not recommended for use on horizontal surfaces that are frequently exposed to water, such as washstands.

Please observe the relative technical data sheets of the products.

**Preparation of the substrate**

- **Hardwoods:** wood sanding with grit size 150 - 180
- **Softwoods:** wood sanding grit size 100 - 150
- **Carrier plates coated with priming film:** film sanding with grit size 220
- **MDF panels:** cleaning / smooth sanding with grit size 180 - 220

## COATING SYSTEM

**Primer coat** 2 - 3 x ADLER Aqualux Spritzfüller 29211

**Intermediate sanding**

Grit size 240 - 320

Avoid sanding straight through!



**Topcoat**

ADLER Pigmolux DC (various qualities) in the required colour.

Please observe the relative technical data sheets of the products.

## CLEANING AND MAINTENANCE

**Cleaning and maintenance**

Cleaning with ADLER Clean Möbelreiniger 96490. Preservation with ADLER Clean-Möbelpflege Plus 7222000210.

Please observe the relative technical data sheets of the products.

## ORDERING INFORMATION

**Size of trading unit**

25 kg; 120 kg  
More sizes on request.

**Colour shades / degrees of gloss**

Weiß 29211

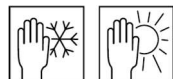
ADLER Aqualux Spritzfüller Weiß 29211 can be mixed with up to 10 % ADLER Pigmolux DC UNI 3405 in the required colour in order to match the filler layer of the coloured top coat.

**Supplementary products**

ADLER Aqua-Soft CFB	30361 ff
ADLER Pigmolux DC	3405
ADLER Aqua-Cleaner	80080
ADLER Bandreinigungslösung	80066
ADLER Clean Möbelreiniger	96490
ADLER Clean-Möbelpflege Plus	7222000210

## FURTHER DETAILS

**Durability / storage**



At least 6 months in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures.

**Technical specifications**

Delivery viscosity 70 ± 5 s in accordance with DIN 53211 (6-mm-cup, 20 °C)

**Safety-related information**



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)**.

The product is only suitable for industrial use.

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