

ADLER Aqua-Isospeed

31016 f

Water-based prime **pigmented spray filler** for **furniture and interior finishing** for **commercial and industrial use**.

PRODUCT DESCRIPTION

General

Water-based and quick-drying hiding spray filler, high body and very good grindability (manual- / automatic sanding). Can be used optionally as one-component or two-component system. By using the two-component system very good insulation properties against water soluble discolouring wood components.

Special Properties Testing Standards



- **ÖNORM A 1605-12** (furniture surfaces)
Flame treatment: 5-B (hardly inflammable furniture surfaces)
- **ÖNORM A 3800-1** (Fire behaviour) in conjunction with a flame-retardant substrate and finishing coat.
Hardly combustible or flame-retardant (formerly B1 in accordance with B 3800 -1), Q1, Tr 1
- Accordant to **Baubook** with one-component processing
- **French Ordinance DEVL1104875A** regarding the labeling of construction coating products with respect to their emission of volatile harmful substances: A+

Fields of application



- Full-bodied primer for pigmented coating systems for furniture and interior finishing.
- Due to the excellent staying power also suitable for profiled work-pieces and batten.
- With two component processing good insulation effect against water soluble colouring wood-extractives, when opaque coatings are realized with water-based pigmented coats, also in the colour shades white and pastel.
- In the case of two-component processing it can also be recoated with solvent-based pigmented paints as e.g. ADLER Pigmpur 24005 ff or ADLER MDF-4in1 23400 ff.
- With two-component processing can be applied directly on high quality MDF.
- For multilayer glued supporting plates we recommend generally the two-component processing.
- For hardly inflammable and flame retardant coatings.

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.
- Minor quantities of application and/or stronger dilution will

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ADLER-Werk Lackfabrik, A-6130 Schwaz

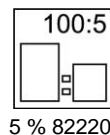
Fon: +43/5242/6922-301, Fax: +43/5242/6922-309, Mail: technical-support@adler-lacke.com

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.

reduce the insulation effect!

- For a full-bodied surface it is necessary to apply the filler two or three times with intermediate sanding.
- Depending on the species of wood but also on the growing region, the content of the colouring water-soluble wood extractives may vary significantly. It is therefore recommended to test always the coating on a specimen of the original wood in order to judge the insulation effect.
- If ADLER Aqua-Isospeed 31016 is used for insulating in two-component version for the first layer of filler, the following filler application can be done with one- or two-component filler. If the first layer of filler is applied in one-component version, although the further layers of filler should be done with the one-component quality.
- Please follow our "**Processing Guidelines for Water-based Furniture Paints**".

Mixing ratio



ADLER Aqua-Isospeed 31016 can be used optionally with hardener in the specified mixing ratio. Any deviation causes defects in the film.

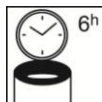
100 parts by weight of ADLER Aqua-Isospeed 31016
5 parts by weight of ADLER Aqua-PUR-Härter 82220

or

15 parts by volume of ADLER Aqua-Isospeed 31016
1 parts by volume of ADLER Aqua-PUR-Härter 82220

ADLER Aqua-PUR-Härter 82220 (hardener) must be thoroughly mixed in the filler component prior to application. This should be done mechanically using a cage-type mixing paddle! It is recommended to use a 2K spraying machine.

Pot-Life

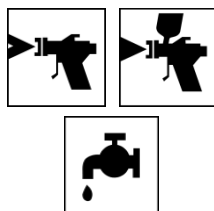


6 hours at approx. 20 °C; higher temperatures will reduce the pot-life.

The paint/hardener mixture has not gelled after such period of time. Application, however, is no longer possible once the pot life has been exceeded.

The pot-life for ADLER Aqua-Isospeed Schwarz/Black 31018 is 4 hours at 20 °C.

Application technique

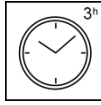


Application method	Airless	Airless air supported (Airmix, Aircoat etc.)	Cup gun
Spray nozzle (ø mm)	0.28 – 0.33 with preatomizer	0.28 – 0.33	2.0
Spraying pressure (bar)	100 - 120	100 - 120	3 - 4
Atomized air (bar)	-	1 - 2	-
Dilution (thinner)	water		
Thinner Add-on in %	-	-	-
Viscosity (s) 6 mm cup 20°C	approx. 65	approx. 65	approx. 65

Application quantity (gm/m ²)	approx. 150 - 200 per application; Total application quantity: maximum 750
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Drying times

(at 23 °C and 50 % rel. humidity)



Can be recoated with ADLER Aqua-Isospeed 31016 f	at least 3 h
Can be recoated with ADLER Pigmocryl CFB 31105 ff	at least 8 h, preferably overnight
Can be recoated with ADLER Pigpopur 24005 ff or ADLER MDF-4in1 23400 ff	overnight
Manipulable and can be stackable	overnight

The figures indicated serve as a guide and are for reference. The drying time depends on the type of wood, coat thickness, temperature, air exchange and relative atmospheric humidity.

Cleaning the tools and equipment

Clean with water immediately after use.

Eliminate rests of dry paint with ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Solid wood or wood particle/wood fibre material, veneered or coated with priming film, which are suitable for opaque coatings.

Substrate property (or condition)

The substrate must be dry, clean, stable, free of grease and wax and free from wood dust.

On high-quality MDF panels presenting a high apparent density (e.g. 19 mm boards higher than 700 kg/m³), ADLER Aqua-Isospeed 31016, hardened with 5 % ADLER Aqua-PUR-Härter 82220, can be applied directly, without pre-insulation. Boards of lower quality as well as in case of one-component application of ADLER Aqua-Isospeed 31016, sealing before the first layer of filler application is necessary (e.g. with ADLER Aqua-Soft CFB 30361ff.).

For applications on sanitary facilities we recommend using generally humidity-resistant MDF panels, type V100 and ADLER Aqua-Isospeed 31016 two-component processing. We advise against application on horizontal surfaces which get frequently in contact with water, e.g. washbasins.

Preparation of the substrate

- **Hardwood:** sanding using grain size 150 – 180
- **Softwood:** sanding using grain size 100 – 150
- **Supporting plates coated with priming film:** film sanding with grain size 220
- **MDF boards:** Cleaning / intermediate sanding with grain size 180 – 220

COATING SYSTEM**Primer coat**

1 x ADLER Aqua-Isospeed 31016
At least 3 hours intermediate drying

Intermediate sanding

Slight intermediate sanding with grain size 280.

Avoid sanding straight through!

Intermediate sanding must be done immediately prior applying the

topcoat in order to ensure proper intermediate adhesion.

Intermedio coat

1 - 2 x ADLER Aqua-Isospeed 31016

After the last filler application a drying time of minimum 12 hours (room temperature) is necessary before the intermediate sanding in order to obtain an excellent stability of the following topcoat or by using two-component processing to secure an optimal insulation effect.

Intermediate sanding

Intermediate sanding with grain size 320 - 360.

Avoid to sand straight through!

Intermediate sanding must be done immediately prior to apply the topcoat in order to ensure proper intermediate adhesion.

Topcoat

1 x ADLER Pigmocryl CFB in the desired colour shade 31105 ff

MAINTENANCE OF THE WHOLE STRUCTURE OF COATING

Clean with ADLER Clean Möbelreiniger 96490.

Please follow the respective technical data sheets of the products.

NOTES ON ORDERING

Trading units

ADLER Aqua-Isospeed 31016	5,6 kg	22 kg
ADLER Aqua-PUR-Härter 82220	1 x 280 g	1 x 1,1 kg

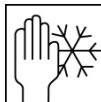
Colour shades / Degrees of gloss

Weiß (White)	31016
Schwarz (Black)	31018

Complementary products

ADLER Aqua-PUR-Härter 82220
 ADLER Aqua-Soft CFB 30361 ff
 ADLER Pigmocryl CFB 31105 ff
 ADLER Pigmopur 24005 ff
 ADLER MDF-4in1 23400 ff
 ADLER Aqua-Cleaner 80080
 ADLER Clean-Möbelreiniger 96490

OTHER INSTRUCTIONS

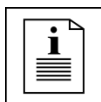
Storage stability / Storage

At least 9 month in the original sealed containers.

Store cool but frost-free.

Technical Specifications

Delivery viscosity	Approx. 65 ± 5 s according to DIN 53211 (6-mm-cup, 20°C) ca. 3.500 ± 500 cP
Mixing viscosity	Approx. 60 ± 5 s according to DIN 53211 (6-mm-cup, 20°C)

Safety-relevant information

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

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