

ADLER Aqua-Isospeed Thix

31017

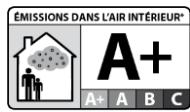
Water-based opaquely pigmented spray filler for **furniture and interior finishing** for industrial and professional use

PRODUCT DESCRIPTION

General

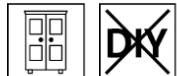
Water-based covering spray filler with excellent firmness on vertical surfaces, quick drying, high filling power and very good grindability (manual/automatic sanding). Optionally 1 and 2 component processable. When used as a 2-component system, very good insulating properties against water-soluble discolouring wood components.

Special properties and standards



- **ÖNORM A 1605-12** (furniture surfaces)
Flame treatment: 5-B (hardly inflammable furniture surface)
- **ÖNORM A 3800-1** (fire behaviour) in conjunction with a flame-retardant substrate and topcoat:
flame-retardant (formerly B 1 acc. to B 3800 -1), Q1, Tr 1
- **French ordinance DEV1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application area



- Full-bodied primer for opaque pigmented coating systems for furniture and interior finishing.
- Very good stability for coating vertical surfaces and for profiled workpieces and battens.
- 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.
- 2-K processing: can be used directly on MDF of good quality
- In the case of multi-layer glued carrier boards, 2K processing is generally recommended.
- For hardly inflammable or flame-retardant coating systems.

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 part of the original wood in order to be able to assess the insulating effect.

- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- For a full-bodied surface it is necessary to apply the filler two or three times with intermediate sanding.
- If ADLER Aqua-Isospeed Thix 31017 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.
- 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.
- Please observe our "**Working guidelines for water-based furniture paints**".

Blending ratio

100:5

5% 82220



15:1

82220

ADLER Aqua-Isospeed Thix 31017 can be used optionally with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

100 parts by weight of ADLER Aqua-Isospeed Thix 31017
5 parts by weight of ADLER Aqua-PUR-Härter 82220

or

15 parts by volume of ADLER Aqua-Isospeed Thix 31017
1 part by volume of 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

3h

3 hours at approx. 20 °C; increased temperatures reduce the pot life. A further extension of the pot life is not possible.

Application technique5% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.28 - 0.33 with preatomizer nozzle	0.28 - 0.33	2.0
Spraying pressure (bar)	100 - 120	100 - 120	2 - 3
Atomized air (bar)	-	1 - 2	-
Thinner	water		
Thinner amount added in %	-	-	5
Viscosity (s) 6 mm cup, 20°C	-	-	approx. 80
Application quantity per application (g/m ²)	approx. 150 - 250; Total application amount max 750		

Drying times

(at 23 °C and 50 % rel. humidity)



Recoatable with ADLER Aqua-Isospeed Thix 31017	at least 3 hours
Recoatable with ADLER Pigmocryl CFB 31105 ff	approx. 12 hours
Manipulable and stackable	drying overnight

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.

Cleaning the working equipment

Clean 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, chipboard or wood fibre materials suitable for opaque varnishing, veneered or coated with priming film.

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.

ADLER Aqua-Isospeed Thix 31017, hardened with 5 % ADLER Aqua-PUR-Härter 82220 can be used directly on MDF boards of good quality and with a high moulded density (e.g. on 19-mm boards greater than 700 kg/m³) without pre-insulation. Panels of poor quality must be pre-insulated before the first filler layer (e.g. with ADLER Aqua-Soft CFB 30361 ff), as well as in the case of 1K processing of ADLER Aqua-Isospeed Thix 31017.

For sanitary applications, we generally recommend the use of moisture-resistant MDF boards type V100 and ADLER Aqua-Isospeed Thix 31017 in 2-component processing. It is advised not to be used for horizontal surfaces that are often exposed to water, e.g. washstands.

Preparation of the substrate

- **Hardwoods:** wood sanding with grit size 150 - 180
- **Softwoods:** wood sanding with 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

During sanding use P3 dust filter.

COATING SYSTEM**Primer coat**

1 x ADLER Aqua-Isospeed Thix 31017

Intermediate drying: approx. 3 hours

Intermediate sanding

Smooth Sanding with grit size 280

Avoid sanding straight through!

Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion.

While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust.

Intermediate coat	1 - 2 x ADLER Aqua-Isospeed Thix 31017
	After the last filler application, a drying time of at least 12 h (room temperature) must be observed before intermediate sanding in order to ensure a good firmness of the subsequent topcoat as well as optimal insulating effect in case of 2K processing.
Intermediate sanding	Intermediate sanding Grit size 320 - 360 Avoid sanding straight through!  Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion. While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust.
Topcoat	1 x ADLER Pigmocryl NG 3201 ff in the desired colour shade
CLEANING AND MAINTENANCE	
Cleaning and maintenance	Cleaning with ADLER Clean Möbelreiniger 96490. Please observe the relative technical data sheets of the products.
ORDERING INFORMATION	
Size of trading unit	ADLER Aqua-Isospeed Thix 31017 5.6 kg ADLER Aqua-PUR-Härter 82220 1 x 280 g 22 kg 1 x 1.1 kg
Colour shades / degrees of gloss	Weiß [White] 31017
Supplementary products	ADLER Aqua-PUR-Härter 82220 ADLER Pigmocryl NG 3201 ff ADLER Aqua-Soft CFB 30361 ff ADLER ABS-Kantenaktivator 8315000210 ADLER Clean Möbelreiniger 96490
FURTHER DETAILS	
Durability / storage	9 months in the original sealed containers.  Store cool but frost-free.
Technical specifications	Delivery viscosity Approx. 8.000 ± 500 cP (Brookfield spindle 4 /20 UpM / 2 min/ 20°C) Mixing viscosity Approx. 7.000 ± 500 cP (Brookfield spindle 4 /20 UpM / 2 min/ 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 .  In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).