

Aqua-Isospeed Thix

3119

Water-based, opaque pigmented **spray filler** for **furniture and interior finishing**, for use in industry and trade

PRODUCT DESCRIPTION

Product numbers

31017

General

Water-based, opaque spray filler with outstanding stability, fast drying, very good filling performance and very good sandability (by hand or by machine) for opaque pigmented coating systems. Can be used as either a single or two-component product; the two-component version has very good insulating properties.

Special properties and standards



- **ÖNORM A 1605-12 (furniture surfaces)**
Test 5: Resistance to flame: 5-B



- **ÖNORM A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1



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

Application area



Primer for opaque pigmented coating systems for furniture and interior finishing.

For upright surfaces and for profiled workpieces and battens.

For hardly inflammable or flame-retardant coating systems.

Application in combination with a suitable topcoat system.

The area of application depends on the processing of the product and the topcoat system selected.

PROCESSING

Processing instructions

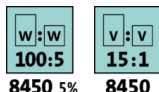


- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- Depending on the type of wood but also on the growing area, the content of coloured, water-soluble substances in the wood can vary considerably. It is therefore recommended to always carry out a trial

coating on a sample of the original wood in order to be able to assess the insulation result.

- The two-component version provides good insulation against water soluble, discolouring substances in the wood when opaque coating systems are used with water-based pigment paints, including in white and pastel shades.
- If you use the 2C version of the product, it can be applied directly onto good quality MDF (bulk density $> 700 \text{ kg/m}^3$, homogenous).
- With multi-layer laminated substrate boards, we always recommend using the two-component version.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!
- For a rich and substantial surface, you will need two or three applications of filler with sanding between each application.
- If Aqua-Isospeed Thix (3119) is used in its 2-component form for the first application of filler to insulate the substrate, the further coats of filler can be applied either in single or two-component form. 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.
- When using plastic edgebands, an adhesion test must always be carried out with the planned structure. Adhesion can be improved on ABS edgebands by using ABS Kantenaktivator (8315000210).
- 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.
- Please follow our **ARL 150 - Working guidelines for water-based furniture coatings**.

Blending ratio



Aqua-Isospeed Thix (3119) can optionally also be used with hardener and in the mixing ratios listed. Deviations lead to film and adhesion problems.

100 Part(s) by weight Aqua-Isospeed Thix (3119)
5 Part(s) by weight Aqua-Hardener 8450 (8450000210)
or

15 part(s) by volume: Aqua-Isospeed Thix (3119)
1 part(s) by volume: Aqua-Hardener 8450 (8450000210)

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing. Stirring is best done by machine using a basket agitator. It is recommended to use a 2K spray device.

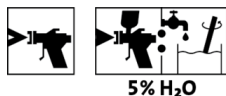
Pot life



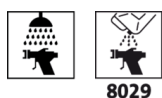
3 hour(s) at approx. 20 °C

Increased temperatures reduce the pot life. A further extension of the pot life is not possible.

Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Applying device	mit Vorzerstäuberdüse	-	
Spraying nozzle Ø (mm)	0,28 - 0,33		2,0
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	Water		
Diluent amount added (%)	-		5
Viscosity 6-mm- cup (s)	-		80
Applied quantity per application (g/m ²)	150 - 250		
Total quantity applied (g/m ²)	max. 750		

Cleaning the working
equipment

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (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.

On good quality MDF boards with a high bulk density (e.g. with 19 mm boards exceeding 700 kg/m³) Aqua-Isospeed Thix (3119) can be applied directly without preinsulation, hardened with 5 % Aqua-Hardener 8450 (8450). As with the 1C use of Aqua-Isospeed Thix (3119), boards of a lesser quality will need to be pre-insulated before the first layer of filler (e.g. with Bluefin Unistar (2965)).

For applications in bathroom settings, we always recommend the use of moisture resistant MDF boards of types P3, P5 or P7 in accordance with ÖNORM EN 312 (formerly V100 in accordance with DIN 68763) and Aqua-Isospeed Thix (3119) used as a 2C product. It is not recommended for use on horizontal surfaces that are frequently exposed to water, such as washstands.




Substrate preparation

Hardwoods: Wood sanding Grit size 150 – 180

Softwoods: Wood sanding Grit size 100 – 150

Carrier plates coated with priming film: Film sanding Grit size 220

MDF panels: Cleaning/smoothing sanding grit size 180 - 220

COATING SYSTEM	
Primer coat	1 x Aqua-Isospeed Thix (3119) Intermediate drying: approx. 3 hour(s)
Intermediate sanding 	Slight smooth sanding: Grit size 280 Remove sanding dust. Avoid sanding straight through! Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!
Intermediate coat	1 – 2 x Aqua-Isospeed Thix (3119) After the final application of filler, the surface should be allowed to dry for at least 12 hours (room temperature) before intermediate sanding in order to ensure good stability in the subsequent topcoat and to ensure an optimal insulating effect if the 2C version has been used.
Intermediate sanding 	Intermediate sanding Grit size 320 – 360 Remove sanding dust. Avoid sanding straight through! Intermediate sanding must be carried out immediately before the subsequent coating is applied in order to ensure good intermediate adhesion!
Topcoat	1 x Bluefin Pigmocryl NG (a range of qualities) in your chosen colour and degree of gloss.
ORDERING INFORMATION	
Size of trading unit	Aqua-Isospeed Thix (3119): 5.6 kg, 22 kg Aqua-Hardener 8450 (8450): 1x 280 kg, 1x 1.1 kg
Colour shades / Glosslevels	Standard colour(s): Weiß, 1K und 2K verarbeitbar! (31017)
Supplementary products	ABS Kantenaktivator (8315000210) Aqua-Cleaner 8029 (8029) Aqua-Hardener 8450 (8450) Bluefin Unistar (2965) Bluefin Pigmocryl NG (various qualities) Please refer to the corresponding technical data sheets of the products.
FURTHER DETAILS	
Durability / storage 	Min. 1 year(s) in the original sealed containers. Cool, but frost-free.
Technical specifications	Delivery viscosity: 8000 mPas – 9000 mPas (Brookfield spindle 4/20 rpm/2 min/20 °C)

Safety information



The product is only suitable for the industrial and professional use.

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**.
