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Technical data sheet

Paint runs through our veins.

Aduro Ecofill Smart 2317

Solvent-based, opaque 2C polyurethane insulating filler for **furniture and interior finishing**, for use in **industry and trade**

PRODUCT DESCRIPTION

General

Solvent-based opaque 2C polyurethane insulating filler with no added titanium dioxide, formulated with acrylate resin, offers fast drying, very good filling performance and very good sandability. Stand-out features of this product include a firm hold on vertical surfaces and outstanding permanent elasticity, and it can be applied directly onto high-quality MDF. Available in a range of vibrant colours.

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
- **EN 13501-1 (fire behaviour)**
  Confirmed by an external test certificate.
  In combination with a non-combustible substrate, e.g. materials of fire class A1 or A2: classification as B-s1, d0. For the classification of the reaction to fire, the complete build-up (carrier board / glue / veneer or foil) is always taken into account.
- **Titanium dioxide-free**
  according to 14. ATP - Delegated Regulation (EU) 2020/217
- **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 coating interior doors.

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.

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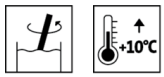
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

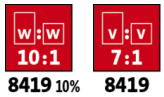
PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- When using strong colour shades for the topcoat, we recommend using the colour setting of Aduro Ecofill Smart (2317) & colour number appropriate for the colour spectrum.
- 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. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.
- Please follow our **ARL 131 - Working guidelines for PUR furniture paints.**

Blending ratio



8419 10% **8419**

Aduro Ecofill Smart (2317) can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

10 Part(s) by weight Aduro Ecofill Smart (2317)
1 Part(s) by weight PUR-Hardener 8419 (8419000210)

or

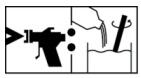
7 part(s) by volume: Aduro Ecofill Smart (2317)
1 part(s) by volume: PUR-Hardener 8419 (8419000210)

Pot life

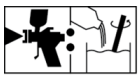
5 hour(s)

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

Application technique



5-15% 8519



20% 8519

	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Spraying nozzle Ø (mm)	0,28 - 0,33		1,8 - 2,0
Spraying pressure (bar)	100 - 120		2 - 3
Vaporizer Air (bar)	-	1 - 2	-
Diluent	DD-Verdünner 8519 (8519)		
Diluent amount added (%)	5 - 15		20
Viscosity 4-mm-cup (s)	25		20
Applied quantity per application (g/m²)	130 - 180		
Total quantity applied (g/m²)	max. 750		

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)

Sandable and recoatable	3 hour(s)
Manipulable and stackable	12 hour(s)

After the first filler application, a slight sanding with grit size 280 is carried out after approx. 3 hours.

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After the second filler application, a drying time of at least 12 hours (room temperature) must be observed before intermediate sanding in order to ensure a good firmness of the subsequent topcoat.

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

With DD-Verdünner 8519 (8519) or Waschverdünner (8501) immediately after use.

SUBSTRATE

Type of substrate

Solid wood, chipboard or wood fibre materials suitable for opaque coating, 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 raw density (e.g. with 19 mm boards greater than 700 kg/m³), Aduro Ecofill Smart (2317) . Boards of lower qualities must be pre-insulated before the first layer of filler (e.g. with Aduro Legnopur (2513)).

For sanitary applications, we generally recommend the use of moisture-resistant MDF panels of type P3, P5 or P7 according to ÖNORM EN 312 (formerly V100 according to DIN 68763). It is not recommended for use on horizontal surfaces that are frequently exposed to water, such as washstands.

Substrate preparation

Carrier plates coated with priming film: Film sanding Grit size 240

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

Hardwoods: Grit size 150 - 180
Softwoods: Grit size 120 - 150

Wood rich in resins should be deresinated, sanded and pre-insulated with Aduro Isoliergrund (2502). Please observe our **ARL 021 - Working guideline for deresination.**

COATING SYSTEM

Primer coat

2 – 3 x Aduro Ecofill Smart (2317)

Intermediate sanding

Slight intermediate sanding using grit size 280 after the first filler application.

Further intermediate sandings: Grit size 280 – 320

Remove sanding dust.

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

Topcoat

1 x with pigmented, solvent-based two-component PUR varnishes such as Pigmopur G50 (2406) in the desired colour shade.

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CLEANING AND MAINTENANCE

Cleaning and Maintenance

Cleaning with Clean-Möbelreiniger (7202).

ORDERING INFORMATION

Size of trading unit

4 kg, 24 kg

Colour shades / Glosslevels

Standard colour(s):
Weiß (2317050000)
Schwarz (2317500001)
Gelb (2317073484)
Rot (2317073485)
Blau (2317073486)
Grün (2317073487)
Braun (2317073488)

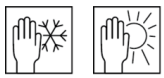
Supplementary products

Aduro Legnopur (2513)
Clean-Möbelreiniger (7202)
Aduro Isoliergrund (2502)
DD-Verdünner 8519 (8519)
Pigmopur G50 (2406)
PUR-Hardener 8419 (8419)
Waschverdünner 8501 (8501)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 1 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Technical specifications

Delivery viscosity: 27 – 33 seconds according to DIN 53211
(6 mm measuring cup, 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.**

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