

Aduro Ecofill Smart

2317

Solvent-based, opaque two-component polyurethane insulating filler for **furniture and interior finishing** for industrial and professional use

PRODUCT DESCRIPTION

General

Solvent-based, titanium dioxide-free, opaque two-component polyurethane insulating filler based on acrylate resin with fast drying, high filling power and very good sandability. The product is characterised by its good firmness on vertical surfaces and excellent permanent elasticity and can be used directly on high-quality MDF. Available in various colour shades.

Special properties and standards



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

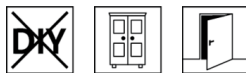


- **ÖNORM A 3800-1 (fire behaviour)**
In conjunction with a flame-retardant substrate:
flame-retardant, Q1, Tr 1
- **EN 13501-1 (fire behaviour)**
Confirmed by an external test certificate.
In conjunction with flame-retardant laminated plywood – even veneered: B-s1,d0
- **Titanium dioxide-free**
according 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.

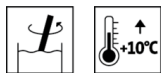
For hardly inflammable or flame-retardant coating systems.

Application in combination with a suitable topcoat system.

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

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 observe our **ARL 131 - Working guidelines for PUR furniture paints.**

Blending ratio



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 Gew.-Teil(e) Aduro Ecofill Smart (2317)
1 Gew.-Teil(e) PUR-Hardener 8419 (8419000210)

or

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

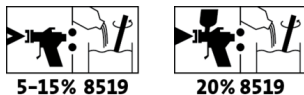
Pot life



5 hour(s)

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

Application technique



| | 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.

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

8519



8501

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 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 MDF boards of good quality and a high bulk density (e.g. with 19 mm boards greater than 700 kg/m³), Aduro Ecofill Smart (2317) can be used directly without pre-insulation. 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 . 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 Pigmpur G50 (2406) in the desired colour shade. |
|----------------|---|

CLEANING AND MAINTENANCE

| | |
|---------------------------------|---|
| Cleaning and Maintenance | Cleaning with Clean-Möbelreiniger (7202). |
|---------------------------------|---|

ORDERING INFORMATION

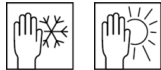
| | |
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| Size of trading unit | 4 kg, 24 kg |
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| | |
|------------------------------------|--|
| Colour shades / Glosslevels | Standard colour(s): Weiß (2317050000) Schwarz (2317500001) Gelb (2317073484) Rot (2317073485) Blau (2317073486) Grün (2317073487) Braun (2317073488) |
|------------------------------------|--|

| | |
|-------------------------------|---|
| Supplementary products | Aduro Legnopur (2513) Clean-Möbelreiniger (7202) DD-Isoliergrund (2502) DD-Verdünner 8519 (8519) Pigmpur G50 (2406) PUR-Hardener 8419 (8419) Waschverdünner 8501 (8501) Please refer to the corresponding technical data sheets of the products. |
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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 (6mm 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.