

## Aduro Ecofill Smart

2317

Solvent-based, opaque 2-component polyurethane insulating filler for **furniture and interior finishing** for **industrial and professional use**

### PRODUCT DESCRIPTION

#### General

Solvent-based, titanium dioxide-free, opaque 2-component polyurethane insulating filler based on acrylic raisins with quick drying, high filling power and very good grindability. 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)  
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
- Titanium dioxide-free according to 14. ATP - Delegated Regulation (EU) 2020/217
- **French ordinance DEVL1104875A** 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
- Due to the good firmness also suitable for profiled work pieces and battens.
- For hardly inflammable or flame-retardant coating systems  
Application in combination with a suitable topcoat system.

### PROCESSING

#### Instructions for use

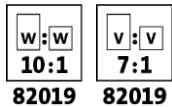


- Please stir the product before use.
- When using strong colour shades for the topcoat, we recommend using the colour setting of Aduro Ecofill Smart 2317 & colour number appropriate for the colour spectrum.
- Please observe our **ARL 130 - Working guidelines for PUR furniture paints**.

09-21 ZKL 2317

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Our instructions for use are based on knowledge available currently and shall guide the buyer/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 buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability 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.

**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 parts by weight Aduro Ecofill Smart 2317  
1 part by weight ADLER PUR-Härter 82019

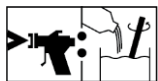
or

7 parts by volume Aduro Ecofill Smart 2317  
1 part by volume of ADLER PUR-Härter 82019

**Pot life**

5 hours

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

**Application technique**

5-15% 80019



20% 80019

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.28 – 0.33	0.28 – 0.33	1.8 – 2.0
Spraying pressure (bar)	100 – 120	100 – 120	2 - 3
Atomized air (bar)	-	1 – 2	-
Thinner	ADLER DD-Verdünnung 80019		
Thinner amount to add in %	5 - 15	5 – 15	approx. 20
Viscosity (sec.): 4-mm-cup, 20 °C	approx. 25	approx. 25	20
Application quantity per application (g/m <sup>2</sup> )	approx. 130 – 180 Total application amount max 750		

The shape, the properties and moisture of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

**Drying times**

(at 23 °C and 50 % rel. humidity)



Manipulable and stackable	Overnight
Sandable and recoatable	after approx. 3 hours

- 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 h (room temperature) must be observed before intermediate sanding in order to ensure a good firmness of the subsequent topcoat. Please observe the relative technical data sheets of the products.
- 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 ADLER DD-Verdünnung 80019 or ADLER Waschverdünnung 80077.

## SUBSTRATE

### Type of substrate

Solid wood, wood shaving- or wood fibre materials suitable for opaque varnishing, veneered or coated with priming film, MDF panels.

### Substrate property (or condition)

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.

Aduro Ecofill Smart 2317 can be used directly on MDF panels of good quality and with a high moulded density (e.g. on 19-mm boards greater than 700 kg/m<sup>3</sup>) without pre-insulation. Panels of lower qualities must be pre-insulated before the first layer of filler (e.g. with ADLER Legnopur 26211 ff). Please observe the relative technical data sheets of the products.

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.

### Preparation of the substrate

- Carrier plates coated with priming film: film sanding grit size 240
- MDF panels: cleaning/smoothing sanding grit size 180 – 220
- Hardwoods: wood sanding grit size 150–180
- Softwoods: wood sanding grit size 120–150
- Wood rich in resins should be deresinated, sanded and pre-insulated with ADLER DD-Isoliergrund 25103. Please observe our **ARL 021 - Working guideline for deresination**.

Please observe the relative technical data sheets of the products.

## COATING SYSTEM

### Primer

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

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 2-component PUR varnishes such as ADLER Pigmpur in the desired colour shade 24005 ff

## CLEANING AND MAINTENANCE

### Cleaning and maintenance

Clean the entire coating system with ADLER Clean-Möbelreiniger 96490.

Please observe the relative technical data sheets of the products.

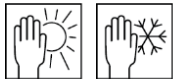
## ORDERING INFORMATION

<b>Size of trading unit</b>	4 kg; 24 kg	
<b>Colour shades / degrees of gloss</b>	Weiß	2317 050000
	Schwarz	2317 500001
	Gelb	2317 073484
	Rot	2317 073485
	Blau	2317 073486
	Grün	2317 073487
	Braun	2317 073488

<b>Supplementary products</b>	ADLER PUR-Härter	82019
	ADLER DD-Verdünnung	80019
	ADLER Waschverdünnung	80077
	ADLER DD-Isoliergrund	25103
	ADLER Pigmopur	24005 ff
	ADLER Legnopur	26211 ff
	ADLER Clean-Möbelreiniger	96490

## FURTHER DETAILS

### Durability / storage



At least 1 year in the original sealed containers.

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

### Technical specifications

Mixing viscosity approx. 60 ± 10 s in accordance with DIN 53211 (4-mm-cup, 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](http://www.adler-lacke.com)**.

The product is only suitable for industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).