

Technical data sheet

ADLER PUR-Isofill Weiß

25506

Solvent-based, conform to the Decopaint Directive, opaque 2-component polyurethane insulating filler for **furniture and interior finishing for industrial and professional use**

PRODUCT DESCRIPTION

General

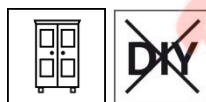
Solvent-based, conform to the Decopaint directive, opaque 2-component polyurethane insulating filler based on acrylic resin, free from aromatic hydrocarbons, with quick drying, high filling power and excellent grindability. The product is characterised by its good firmness on vertical surfaces and excellent permanent elasticity. It can be applied directly on high-class MDF.

Special properties and Standards

- **ÖNORM A 1605-12** (Furniture surfaces)
Flame treatment: 5-B (highly non-flammable furniture surfaces)
- **ÖNORM A 3800-1** (Fire behaviour) in conjunction with a flame-retardant substrate and topcoat:
highly non-combustible or flame-retardant (formerly B 1 in accordance with B 3800 -1), Q1, Tr 1
- The **content of COV** of the ready to use ADLER PUR-Isofill is below **500 g solvents/litre** and is conform to the Austrian Solvent Decree (Österreichische Lösemittelverordnung 2005 - BGBl. II 398/2005, 06/12/2005) resp. the German Deutsche ChemVOCFarbV (BGBl. I S. 3508 / BgBl. I S. 2194) and therefore to the Directive 2004/42/EG (Decopaint-Richtlinie).
- **French Ordinance DEVL1104875A** regarding the labelling of construction coating products with respect to their emission of volatile pollutants: A+



Application area



- Full-bodied primer coating for opaque pigment paint structures in furniture and interior furnishing
- It is also suitable for profiled work-piece shapes and battens on account of its good staying power
- for highly non-flammable or flame-retardant structures

PROCESSING

Instructions for application



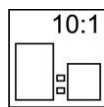
- Please stir the product before use.
- Please follow our "**Working guidelines for PUR paints**".

04-15 (supersedes 02-15) ZKL 2414

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: 0043/5242/6922-190, Fax: 0043/5242/6922-309, Mail: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / 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 purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability 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 the modification of the container sizes, colour shades and degrees of gloss available.

Mixing ratio



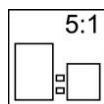
10 % 82019

ADLER PUR-Isofill Weiß (White) can be used only with a hardener and in the mixing ratio specified. Any deviations cause the film to be flawed.

10 parts by weight of ADLER PUR-Isofill Weiß/White 25506
 1 part by weight of ADLER PUR-Härter (Hardener) 82019

or

8 parts by volume of ADLER PUR-Isofill Weiß/White 25506
 1 part by volume of ADLER PUR-Härter (Hardener) 82019



20 % 82040

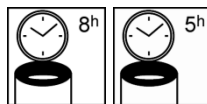
If you want faster drying, you can work with the following mixing ratio as an alternative to the hardener mentioned above:

5 parts by weight of ADLER PUR-Isofill Weiß/White 25506
 1 part by weight of ADLER PUR-Härter (Hardener) S 82040

or

4 parts by volume of ADLER PUR-Isofill Weiß 25506
 1 part by volume of ADLER PUR-Härter (Hardener) S 82040

Pot Life



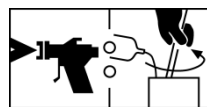
82019

82040

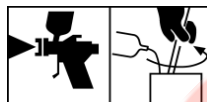
with ADLER PUR-Härter **82019**: 8 hours

with ADLER PUR-Härter **S 82040**: 5 hours

Application technique



0 - 5 %

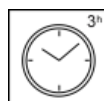


10 %

Application method	Airless	Airless pressurized (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	3 - 4
Atomizing air (bar)	-	1 – 2	-
Dilution (thinning)	ADLER DD-Verdünnung (Thinner) 80019		
Thinner to add in %	0 - 5	0 - 5	5
Viscosity (sec.): 4 mm cup, 20°C	35	35	35
Application quantity (g/m ²)	approx. 150 – 200 per application; total application quantity max. 750		

Drying times

(at 23 °C and 50 % rel. humidity)



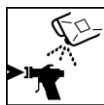
3^h

Can be sanded and recoated	After approx. 3 h
Can be moved around and stacked	Overnight

After the first application of filler, slight sanding is done after about 3 hours using grain size 280; after applying the second filler coat, you must allow a drying time of at least 12 hours (room temperature) prior to intermediate sanding in order to ensure good stability of the subsequent topcoat.

The figures given above are reference values. The drying time depends on the substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Cleaning the tools and equipment



ADLER DD-Verdünnung (Thinner) 80019 or
ADLER Waschverdünnung 80077.

SUBSTRATE

Type of substrate

Hardwood and softwood (solid wood, veneer, (coated) chipboards, wood fibre materials), MDF boards

Substrate property

The substrate must be dry, clean, stable, it must be free of grease and wax and free from wood dust.

You may use ADLER PUR-Isofüller 25506 directly without pre-insulation on MDF boards of good quality and having a high raw density (e.g. with 19 mm plates or boards, greater than 700 kg/m³). Plates or boards of poorer quality must be pre-insulated before applying the first filler coat (e.g. with ADLER Legnopur 26211 ff).

We basically recommend using moisture-resistant MDF plates or boards of type V100 for sanitary applications. You are advised to avoid using it on horizontal surfaces that are often impinged with water, such as, for example, washing tables.

Preparation of the substrate

- Carrier plates coated with priming film:
Film sanding with grain size 240
- MDF plates (or sheets): Cleaning / intermediate sanding with grain size 180 - 220

COATING SYSTEM

Primer coat

2 - 3 coats of ADLER PUR-Isofill Weiß/White 25506

Intermediate sanding

Light intermediate sanding using grain size 280 after the first filler application.



The remaining rounds of intermediate sanding: Grain size 280 - 320

Intermediate sanding must be done immediately prior to applying the next coat in order to ensure proper intermediate adhesion.

Topcoat

Apply 1 x ADLER Pigmopur in the desired colour shade 24005 ff

In case a coating structure conform totally conform to the Decopaint Directive is needed, alternatively you may use as topcoat ADLER Pigmocryl CFB 31105 ff in the desired colour shade.

PRESERVATION OF THE COMPLETE COATING FILM

Cleaning

Clean using ADLER Clean-Möbelreiniger (Furniture cleaner) 96490
Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Container sizes

4 kg; 24 kg

Colour shades / Degree of gloss

Weiß/White 25506

Supplementary products

ADLER PUR-Härter S (PUR-hardener)	82040
ADLER PUR-Härter (PUR-hardener)	82019
ADLER DD-Verdünnung (Thinner)	80019
ADLER Waschverdünnung	80077
ADLER Pigmopur	24005 ff
ADLER Pigmocryl CFB	31105 ff
ADLER Legnopur	26211 ff
ADLER Clean-Möbelreiniger	96490

OTHER INSTRUCTIONS

Durability / storage



At least 1 year in the original sealed containers.

Store it such that it is protected against moisture, direct sunlight and high temperatures (above 30 °C).

Technical specifications

Delivery viscosity	approx. 90 ± 5 sec. in accordance with DIN 53211 (4 mm cup, 20°C)
Mixing viscosity	approx. 45 ± 5 sec. in accordance with DIN 53211 (4 mm cup, 20°C)
VOC Content	EU limite value for ADLER PUR-Isofill Weiß (Cat. A/g): 500 gm/l (2010). ADLER PUR-Isofill Weiß contains maximum 490 gm/l VOC.

Safety-relevant information



Please follow the associated Safety data sheet! The latest version can be retrieved from the Internet at www.adler-lacke.com.

In general, you must avoid inhaling paint aerosols. This is ensured by proper use of a breathing mask (combination filter A2/P2 – EN 141/EN 143).