

ADLER DD-Isoliergrund

25103

Solvent-based **2K polyurethane primer** for furniture and interior finishing for industrial and professional use

PRODUCT DESCRIPTION

General

Solvent-based two-component polyurethane polyester resin primer. Good penetration capacity, very quick drying, good grain accentuation.

Special properties and standards



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

Application areas



- For the coating of furniture and interior finishing exposed to high levels of stress, such as hotel and school furnishings, kitchen and sanitary furniture: Application areas II – IV according to ÖNORM A 1610-12. For insulating the edges and surfaces of MDF boards.
- For insulating highly resinous timbers.
- Not suitable for the coating of surfaces bleached with hydrogen peroxide.
- The product is not suitable for areas stained with ADLER Aqua-Positiv or ADLER Positiv Plus!
- Application in combination with a suitable topcoat system.

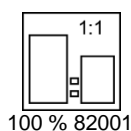
PROCESSING

Instructions for use



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

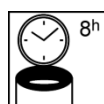
Mixing ratio



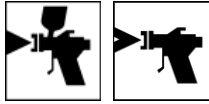
1 part by weight of ADLER DD Isoliergrund 25103
1 part by weight of ADLER DD-Härter 82001

ADLER DD-Isoliergrund 25103 can only be used with a hardener and in the mixing ratio specified. Deviations lead to film and adhesion problems.

Pot life



approx. 8 hours

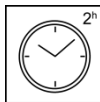
Application technique

Application method	Airless	Airless air-supported (Airmix, Aircoat etc.)	Compressed air
Spraying nozzle (ø mm)	0.23 - 0.28	0.23 - 0.28	1.8
Spraying pressure (bar)	100	80 - 100	2.0 - 2.5
Atomising air (bar)		1 - 1.5	
Dilution (thinning)	ADLER DD-Verdünnung 80019		
Viscosity (s) 4 mm cup, 20°C	approx. 11	approx. 11	approx. 11
Application quantity (g/m ²)	approx. 100 - 120 per application total quantity applied: up to max. 450		

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)



Sandable and recoatable (ADLER DD-Isoliergrund 25103)	after approx. 2 hours
Sandable and recoatable (following coat)	overnight
Manipulable and stackable	after approx. 12 hours

In order to improve the firmness of the subsequent coat, we recommend drying overnight at room temperature.

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**

Hard and softwood (solid wood, veneer, (coated) chipboard, wood fibre boards)

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, and must be checked to see whether it is suitable of being coated.

Preparation of the substrate**Hardwoods:**

Sand with grit size 150 – 180 and clean.

Softwoods:

Sand with grit size 100 – 150 and clean.

COATING SYSTEM

Primer coat

1 x ADLER DD-Isoliergrund 25103

Insulating MDF boards:

Dilute paint/curing agent mix with 50 % ADLER DD-Verdünnung 80019 or ADLER PUR-Verdünnung 80029 and apply approx. 120 g/m² using the spraying method. Intermediate drying: min. 2 hours. In the edge and milling groove area, carry out a second spray application with undiluted material. MDF boards for use in wet rooms definitely need two insulation courses.

Intermediate drying: overnight

Intermediate sanding with grit size 280

The surfaces are then available for the required further treatment.

The above method strengthens the less compressed areas of MDF boards and protects them from cracking.

Insulating highly resinous timbers:One spray application of approx. 120 g/m² with undiluted material.

Intermediate drying: at least 8 hours

Intermediate sanding with grit size 280

The surfaces are then available for the required further treatment.

Intermediate sanding

Sand primed surface with grit size 280 - 320.

Sanding straight through must be avoided, as this may lead to differences in the grain accentuation, which are further increased by yellowing with ageing.

Remove sanding dust.

The intermediate sanding must be done immediately before the subsequent paint application in order to ensure good intercoat adhesion.

Applying the topcoat

1 - 2x with a suitable ADLER 2K-PUR furniture varnish such as ADLER Legnopur 26211 ff or ADLER PUR-Antiscratch HQ 26320 ff.

CLEANING & MAINTENANCE

Cleaning & Maintenance

Cleaning with ADLER Clean-Möbelreiniger 96490.

Preservation with ADLER Clean-Möbelpflege 96491.

Please observe the respective technical data sheets of the products.

ORDERING INFORMATION

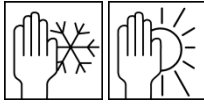
Size of trading unit

900 g; 4 kg

Supplementary products

ADLER DD-Härter 82001
 ADLER DD-Verdünnung 80019
 ADLER PUR-Verdünnung 80029
 ADLER Legnopur 26211 ff
 ADLER PUR-Antiscratch HQ 26320 ff
 ADLER Waschverdünnung 80077
 ADLER Clean-Möbelreiniger 96490
 ADLER Clean-Möbelpflege 96491

FURTHER DETAILS

Durability / storage

At least 1 year in the original sealed containers.

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

Technical specifications

Mixing viscosity approx. 11 s in accordance with DIN 53211 (4-mm cup, 20°C)

Safety-related information

Please pay attention to the associated safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com**.

The product is only suitable for industrial and professional use.

Inhaling paint aerosols whilst spraying must generally be avoided; this is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).
