

ADLER Acryl-Klarlack

3004050252 ff

Water-based **clear coating** with priming effect for **DIY and professional use**

PRODUCT DESCRIPTION

General

Colourless, easy to apply, water-based, optionally glossy or matt primer and topcoat for interior and exterior use with very good all-round properties. Universal application on various substrates. The low-odour and environmentally friendly product is block-resistant and non-yellowing. Excellent weathering resistance and permanent elasticity.

Special properties and standards



- **DIN 53160-1 bzw. DIN 53160-2** Perspiration and saliva proof properties
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas



- Colourless protection coating for interior and exterior use on dimensionally stable wooden components, aluminium, zinc, hard-PVC and coatings which are capable of holding the paint
- Do not use directly on iron and steel.
- Suitable for coating children's toys.

PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 10 C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- The flow of resin cannot be avoided based on the coating method.
- Use sealing profiles and adhesive covering tapes for water-based paints.
- For application by brushing an acrylic brush is recommended. Rolling is done using a short-hair roller.

Application technique

Application method	Brushing	Rolling
Yield per application (m ² /l)	approx. 8 – 10	

The product is ready to brush.

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)



Recoatable	after approx. 6 hours
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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.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight (very quick drying).

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues, we recommend using ADLER Abbeizer-Express 8313000300.

SUBSTRATE**Type of substrate**

Wood, wooden materials, metal as well as hard PVC

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.

Any coatings that cannot be recoated must be removed thoroughly.

Wood moisture

Hardwoods: 12 % +/- 2 %

Softwoods: 15 % +/- 2 %.

Preparation of the substrate**Wood and wood-based materials**

Round off any sharp edges, remove wood extractives such as, for example, resins and pitch pockets.

Wood sanding grit size 120–150

Iron and steel

Remove rust down to bare metal.

Thoroughly remove greasy or oily impurities using ADLER Entfetter (degreaser) 80394.

Zinc, aluminium and other non-ferrous metals

Sand until matt with abrasive fleece and ADLER Entfetter 80394.

Hard PVC and coatable plastics

Sand until matt with abrasive fleece and ADLER Entfetter 80394.

Old coatings

Sand intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated.

Please observe the relative technical data sheets of the products.

COATING SYSTEM

Impregnation**Wood and wood-based materials, outdoors**

If necessary, apply 1 coat of Pullex Imprägnier-Grund 4436000200 (applies to timbers of durability class 3-5 according to EN 350-2.) to protect against blue stain, fungal decay and insect infestation.

Please observe the relative technical data sheets of the products.

Basecoat**Wood and wood-based materials, indoors****Colourless**

1 x ADLER Acryl-Klarlack 3004050252 ff

Opaque

1 x ADLER 5in1 Buntlack 4132001021

Wood and wood-based materials, outdoors

1 x ADLER 5in1 Buntlack 4132001021

Iron and steel

1 x ADLER 5in1 Buntlack 4132001021

Stainless steel

Sand stainless steel very well until matt and prime within 60 minutes with ADLER 2K-Epoxi-Grund 68304.

Aluminium and other non-ferrous metals

1 x ADLER 5in1 Buntlack 4132001021

Anodised aluminium

Sand anodised aluminium very well until matt and prime within 60 minutes with ADLER 2K-Epoxi-Grund 68304.

Hard PVC and coatable plastics

1 x ADLER 5in1 Buntlack 4132001021

Due to the large number of plastic materials, an adhesion test is recommended.

Old coatings

No primer coating is required for intact old coatings, but the compatibility of the coating must be checked.

Damaged areas in not intact old coats must be pre-treated according to the respective substrate. Coating system like new paint.

Powder coating

Please observe BFS data sheet no. 24. For powder coatings we generally recommend priming with ADLER 2K-Epoxi-Grund 68304. Make a sample and check adhesion. Please observe BFS data sheet no. 24.

Please observe the relative technical data sheets of the products.

Intermediate sanding

If necessary, sand primed surface with grit size 240.

Remove sanding dust.

Intermediate coat**Opaque coating system for indoors and outdoors.**

1 x ADLER 5in1 Buntlack 4132001021

Please observe the relative technical data sheets of the products.

Finishing coat**Colourless**

1 - 2 x ADLER Acryl-Klarlack 3004 ff

Opaque

1 - 2 x ADLER Acryl-Klarlack 3004 ff

Please observe the relative technical data sheets of the products.

MAINTENANCE AND RENOVATION**Maintenance and renovation**

The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.

If required, remove dust and dirt from the still intact areas and paint 1 – 2 x with ADLER Acryl-Klarlack 3004 ff.

When renovating the outer surface of dimensionally stable wooden components (windows and front doors), the coating on the inside must be checked and, if necessary, coated in the same system.

Please follow our **“Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and renovation”**.

ORDERING INFORMATION**Size of trading unit**

125 ml; 375 ml; 750 ml;

Colour shades / degrees of gloss

Farblos glänzend

3004050252

Farblos matt

3004050253

Supplementary products

Pullex Imprägnier-Grund 4436000200 (exterior wood)
ADLER 2K-Epoxi-Grund 68304 (anodised aluminium and stainless steel)
ADLER Abbeizer-Express 8313000300
ADLER Entfetter 80394

FURTHER DETAILS**Durability / storage**

At least 3 years in the original sealed containers.



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

Technical specifications

VOC content EU threshold for ADLER Acryl-Klarlack (cat. A/e):
130 g/l (2010). ADLER Acryl-Klarlack contains a
maximum of 40 g/l VOC.

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.