

ADLER Varicolor Farblos

4161

Water-based clearcoat for **DIY and professional use**

PRODUCT DESCRIPTION

General

Colourless, water-based, optionally glossy or matt primer and top coat for interior or protective coating for painted surfaces inside and outside. The low-odour and environmentally friendly product is block-resistant, non-yellowing and easy to apply. Excellent weathering resistance and permanent elasticity.

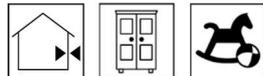
Free of chemical wood preservatives.

Special properties and standards



- **DIN 53160-1 and 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+

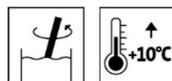
Application areas



- Colourless protective varnish for opaque painted surfaces indoors and outdoors.
- For the coating of furniture and interior finishing exposed to normal levels of stress.
- Suitable for coating children's toys.
- Do not use directly on iron and steel.

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. Sealing profiles with plasticizers tend to stick together in combination with paints.
- Use suitable brush and roller tools for water-based coatings.

- Carefully cover and mask objects that are not to be painted.
- The compatibility, adhesion and colour shade with the substrate must be tested by laying out trial plots.

Application technique

Application method	Brushing	Rolling
Yield per application (m ² /l) ¹⁾	approx. 8 – 10	

The product is ready to use.

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!

Cleaning the working equipment

With water and soap immediately after use.

To remove dried product residues, we recommend using Abbeizer Express 8313.

SUBSTRATE**Type of substrate**

Wood, wood-based materials, painted surfaces

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.

Please observe ÖNORM B 3430, Part 1 and ÖNORM B 2230, Part 1.

Please also observe the current BFS data-sheets and VOB, Part C, DIN 18363 painting and coating work.

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 substances such as, for example: resins and resin galls.

Wood sanding grit size 120–150

Iron and steel

Remove rust down to bare metal.

Thoroughly remove greasy or oily impurities using Entfetter 8009.

Zinc, aluminium and other non-ferrous metals

Sand until matt with abrasive fleece and Entfetter 8009.

Hard PVC and coatable plastics

Sand until matt with abrasive fleece and Entfetter 8009.

Old coatings

Sand intact old coatings with grit size 120 and clean.

Painted surfaces

Sand with grit size 240 - 280 and clean.

COATING SYSTEM**General**

The following coating systems are exemplary.

Impregnation**Wood and wood-based materials**

If necessary outdoors, apply 1 coat of Pullex Aqua-IG 5357 (applies to timbers of durability class 3-5 according to EN 350-2) to protect against blue stain, fungal decay and insect infestation.

Use wood preservatives safely. Always read the label and observe the relative technical data sheets of the products before use.

Primer coat**Wood and wood-based materials, indoors****Colourless**

1 x ADLER Varicolor Farblos 4161

Wood and wood-based materials, indoors and outdoors**Covering**

Coloured shades: 1 x ADLER Varicolor 4117

White & pastel colours: 1 x Aqua-Isoprimer PRO 4123

Iron and steel

Indoor area: 1 x ADLER Varicolor 4117

Outdoor area: Apply 1 saturated coat of ADLER Varicolor E20 4139 tinted (optionally Aqua-Multiprimer PRO 4129 can be used)

Zinc, aluminium and other non-ferrous metals

1 x ADLER Varicolor 4117

Sand anodised aluminium and stainless steel very well until matt and prime within 60 minutes with 2K-Epoxi-Grund 5604.

Hard PVC and coatable plastics

1 x ADLER Varicolor 4117

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:

For powder coatings we generally recommend priming with 2K-Epoxi-Grund 5604. Make a sample and check adhesion.

Please observe the relative technical data sheets of the products.

Intermediate sanding

If necessary, sand with grit size 240.

Remove sanding dust.

Intermediate coat

Opaque coating system for indoors and outdoors.

1 x ADLER Varicolor 4117

Please observe the relative technical data sheets of the products.

Finishing coat

Colourless for indoors

1 -2 x ADLER Varicolor Farblos 4161

Opaque coating system for indoors and outdoors.

1 -2 x ADLER Varicolor Farblos 4161

MAINTENANCE & RENOVATION

Maintenance and renovation

The durability of exterior wooden components depends on many factors: These are, in particular, the type of weathering, constructive protection, mechanical stress and the choice of the processed colour shade; for long durability, regular inspection, maintenance and, if necessary, repair measures are required.

If required, remove dust and dirt from the still intact areas and paint 1 - 2 x with ADLER Varicolor Farblos 4161.

ORDERING INFORMATION

Size of trading unit

125 ml; 375 ml; 750 ml; 2,5l

Colour shades / degrees of gloss

Colourless, Glossy

4161050252

Colourless, Matt

4161050253

Supplementary products

Pullex Aqua-IG 5357 (wood outdoor)
 2K-Epoxi-Grund 5604 (anodised aluminium and stainless steel)
 ADLER Varicolor 4117
 ADLER Varicolor E20 4139
 Aqua-Isoprimer Pro 4123
 Abbeizer-Express 8313
 Entfetter 8009

OTHER INSTRUCTIONS

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).

Use the contents of opened containers as quickly as possible.

Technical specifications

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

GISCODE

BSW20

**Declaration of ingredients
according to VdL-RL 01**

Acrylic copolymer dispersion, water, glycols and glycol ethers, rheological, interfacial and wetting additives, neutralising agent, defoaming agent (antifoaming agent), preservative.

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May cause allergic reactions.

Information for allergy sufferers under telephone no. +43 5242 6922-713.

Safety-related information

The usual protective measures must also be observed when processing low-pollutant products.

During sanding use P2 / P3 dust filter.

If medical advice is needed, have the packaging or label ready.

In case of contact with eyes or skin, rinse immediately with plenty of water.

Keep out of reach of children.

Ensure thorough ventilation during application and drying.

Avoid eating, drinking and smoking while using the product.

Do not allow to enter drains, water courses or soil.

Recycle only those containers whose residues have been emptied out. You may dispose of liquid material residues as water-based paint and varnish waste and dried-up material residues as cured paints or as household garbage.

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.
