

ADLER Varicolor Farblös

4161

Water-based clear varnish for DIY and trade

PRODUCT DESCRIPTION

General

Colourless, water-based primer and topcoat, available in both gloss and matt versions, for interior use or as a protective varnish to coat surfaces in indoor and outdoor areas. This low-odour, eco-friendly product is block-resistant, non-yellowing and easy to use. Outstanding weathering resistance and permanent elasticity.

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**
Marking of construction coating products for their emission of volatile pollutants: A+

Application area



Colourless protective coating for opaque painted surfaces indoors and outdoors.

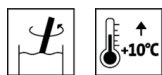
For the coating of furniture and interior finishing exposed to normal levels of stress.

Suitable for painting children's toys.

Do not use directly on iron and steel.

PROCESSING

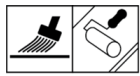
Processing instructions



- 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 %.
- Resin flow cannot be avoided by the coating.
- Early exposure to water from rain or dew must be prevented!
- Use sealing profiles and masking tapes suitable for water-based paints.

- Sealants must be compatible with the coat and may only be applied once the paint has dried through. Sealing profiles with plasticizers tend to stick together in combination with paints.
- For application by brushing, an acrylic brush is recommended. Rolling is done using a short hair roller.
- Carefully cover and mask areas which are not to be coated.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.

Application technique



	Brushing	Rolling
Applied quantity per application (g/m²)	100 - 125	

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Re-coatable at room temperature	approx. 6 h
Final hardness	approx. 7 day(s)

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 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.

Remove old coatings that cannot be recoated.


Please observe the additional documents:

- ÖNORM B 3430-1
- ÖNORM B 2230-1
- DIN 18363
- Current BFS information sheets

Wood moisture

Hardwoods: 12 ± 2 %

Softwoods: 15 ± 2 %

Substrate preparation	<p>Wood and wood-based materials:</p> <p>Break sharp edges and remove any wood extractives such as resins and resin galls.</p> <p>Wood sanding Grit size 120 - 150</p> <p>Old coatings:</p> <p>Sand intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated.</p>
COATING SYSTEM	
General	The following coating systems are exemplary.
Impregnation	<p>Wood and wood-based materials:</p> <p>If necessary, impregnate outdoors once with Pullex Aqua-IG (5357) (applies to timbers of durability class 3-5 according to EN 350) to protect against blue stain, fungal decay and insect infestation.</p> <p>Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.</p> <p>Please follow our ARL 056 - Working guideline for the use of wood preservatives.</p>
Primer coat	<p>Wood and wood-based materials, indoors:</p> <p>Colourless: 1 x ADLER Varicolor Farblo (4161)</p> <p>Wood and wood-based materials, indoors and outdoors:</p> <p>Opaque:</p> <p>For colored shades: 1 x ADLER Varicolor (4117)</p> <p>White & pastel colours: 1 x Aqua-Isoprimer PRO (4123)</p> <p>Old coatings:</p> <p>No primer coating is required for intact old coatings, but the compatibility of the coating must be checked.</p> <p>Damaged areas in not intact old coats must be pre-treated according to the respective substrate.</p>
Intermediate sanding 	<p>If necessary, grind the primed surface with grit size 240.</p> <p>Remove sanding dust.</p>
Intermediate coat	<p>Opaque coating system for indoors and outdoors:</p> <p>1 x ADLER Varicolor (4117)</p>
Finishing coat	1 – 2 x ADLER Varicolor Farblo (4161)
MAINTENANCE	
Care	<p>The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary.</p> <p>If required, remove dust and dirt from the still intact areas and paint 1 – 2 x using ADLER Varicolor Farblo (4161).</p>

Maintenance

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

Please follow our **ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.**

ORDERING INFORMATION**Size of trading unit**

125 ml; 375 ml; 750 ml; 2.5 l

Gloss levels

ADLER Varicolor Farblos Farblos, Glänzend (4161050252)
ADLER Varicolor Farblos Farblos, Matt (4161050253)

Supplementary products

2K-Epoxy-Grund (5604)
Abbeizer Express (8313)
ADLER Varicolor (4117)
ADLER Varicolor E20 (4139)
Aqua-Isoprimer PRO (4123)
Pullex Aqua-IG (5357)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS**Durability / storage**

Min. 3 year(s) in the original sealed containers.

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

Close opened containers well and use up the content as soon as possible.

Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for ADLER Varicolor Farblos (Cat A/d): 130 g/l.
ADLER Varicolor Farblos contains a maximum of 40 g/l VOC.

Giscode

BSW20

Declaration of ingredients according to VdL-RL 01

acrylic dispersions / water / glycol ether / rheology additives / interface additives / wetting agent / neutralising agents / in-can preservation agents

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 information

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

During sanding use P2 / P3 dust filter. Do not inhale spray mist. Use combination filter A2 / P2 and safety goggles.

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

If the product comes into contact with your eyes, rinse immediately with water.

It should be kept out of reach of children.

Ensure good ventilation during application and drying.

During work, do not eat, drink or smoke.

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

Only dispose of empty containers for recycling, liquid material residues can be disposed of as water-based paint waste, dried material residues as hardened paint or as household waste.

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**.
