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Technical data sheet

ADLER
Paint runs through our veins.

ADLER Aqua-Isoprimer PRO 41005

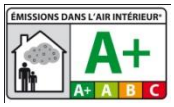
Water-based primer and intermediate coat for wood in internal and external areas with excellent insulation efficiency **for DIY and professional use**

PRODUCT DESCRIPTION

General

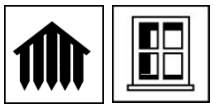
Water-based, white primer and intermediate coat on a special acrylate-dispersion base. The product is formulated without addition of biocidal active substances as protection against blue stain and wood-destroying fungi.

Special Properties and standards



- High insulation property for wood extractives and dry water stains.
- High elasticity and body
- Excellent processing and flow
- Environmentally friendly and odourless
- **French Ordinance DEVL1104875A** regarding the labelling of construction coating products with respect to their emission of volatile pollutants: A+

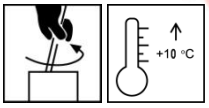
Application area



Wood in internal and external areas.

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 processing or use lie between 15 – 25 °C at relative atmospheric humidity from 40 - 80 %.
- Minor quantities of application and/or stronger dilution will reduce the insulation effect!
- Depending on the species of wood but also on the growing region, the content of the colouring water-soluble wood extractives may vary significantly. It is therefore recommended to test always the coating on a specimen of the original wood in order to judge the insulation effect.
- Overnight drying consolidates the insulation effect.

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ADLER-Werk Lackfabrik, A-6130 Schwaz
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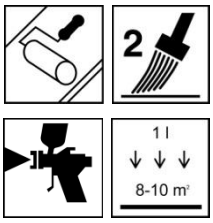
Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The purchaser / user decides about the acceptance and 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 modification of the container sizes, colour shades and degree of gloss.

Application technique



Application method	Using a brush	Roller brush application	Cup gun
Spray nozzle (ø mm)	-	-	1.8 - 2
Spraying pressure (bar	-	-	2 – 2.5
Thinner	water		
Thinner amount added in %	max. 5		max. 20
Yield per application (m²/l)[1)]	8 - 10		
[1)] Yield including addition of thinner and loss while spraying			

The product is prepared such that it is ready to use.

The properties and type of the substrate affect the consumption / yield. Accurate values for consumption must be obtained by applying trial coats in advance

Drying times

(at 20 °C room temperature)

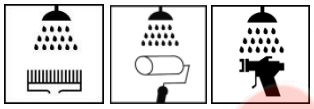
Can be sanded	after 4 hours
Can be recoated	after 4 hours

The figures indicated serve as a guide and are for reference. The drying time depends on the substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

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

Avoid direct sunlight (very quick drying).

Cleaning the tools and equipment



With water immediately after use.

Remove dried-up paint residues with ADLER Abbeizer Rote Krähe 95125.

SUBSTRATE

Type of substrate

Wood, wood-based materials as well as stable wood coatings

Substrate property (or condition)

The substrate must be dry, clean and free from any separating substances (wax, grease), and it must be tested for suitability and stability.

Please observe ÖNORM B 2230 Part 2.

See also VOB, Part C, DIN 18363, paragraph 3; Painting and coating work.

Please observe BFS-data sheet No. 18.

The prerequisite for long storage stability of the coating is compliance with the principles of the constructive wood preservation.

Any coatings that cannot be recoated must be removed thoroughly.

Wood moisture

Hardwoods: 12 % +/- 2 %
Softwoods: 15 % +/- 2 %.

Preparation of the substrate	**Wood and wooden materials indoors** Break off sharp edges and remove any wood extractives such as resins and resin pockets, for example. Grain size for sanding the wood 120 – 150 **Wood, external wood protection** For optimal storage stability, we recommend smooth wooden surfaces are sanded with grain size 80 in the direction of the fibre, cleaned thoroughly and wood extractives such as, for example, resins and resin pockets are removed. Round off any sharp edges. Clean woods having high resin content and exotic types of woods having constituents that delay the drying process with ADLER Nitroverdünnung 80001. Treat infestation or attack by algae, moss or fungus with ADLER Fungisan 96349. **Old coats** Sand with grain size 120 and clean the surface. Remove any old coats that cannot be recoated. Please follow the respective data sheets of the products.
	COATING SYSTEM
Impregnation	Apply 1 coat of Pullex Aqua-Imprägierung (primer) 51320 ff to protect against blue stain, fungal and insect attack (applies to wood of the durability class according to EN 350-2, 3 – 5).
Primer coat	1 - 2 x ADLER Aqua-Isoprimer PRO 41005 Intermediate drying time: approx. 4 hours Overnight drying consolidates the insulation effect. Please follow the respective technical data sheets of the products.
Intermediate sanding	Sand the primer coated surface with grain size 240. Remove the wood dust. Use dust filter P2 while sanding or grinding.
Final coat	2 x ADLER Aqua-PU PRO 41231 ff or 1 x Pullex Aqua-Color W10 Weiß (white) 53331 Please follow the respective technical data sheets of the products.
	ORDERING INFORMATION
Size of trading unit	750 ml; 2.5 l and 10 l
Colour / Degree of gloss	Weiß/white
Supplementary products	ADLER Abbeizer Rote Krähe 95125 ADLER Fungisan 96349 Pullex Aqua-Imprägnierung 51320 Pullex Aqua-Color W10 Weiß 53331 ADLER Aqua-PU PRO 41231 ff ADLER Nitroverdünnung 80001

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FURTHER DETAILS

Durability / Storage	3 years in the original sealed containers. Store it such that it is protected against moisture, direct sunlight, frost and high temperatures (over 30°C).	
Technical specifications	VOC content	EU limit value for ADLER Aqua-Isoprimer PRO (Cat. A/g): 30 g/l (2010). ADLER Aqua-Isoprimer PRO contains maximum 30 g/l VOC.
Product code for paints and varnishes	M-GP01	
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).	

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