

Aqua-Isoprimer CT PRO

4162

Water-based primer for interior and exterior use with excellent insulating effect for commercial use

PRODUCT DESCRIPTION

General

Water-based, white primer coating on a cationic binder base with excellent insulating and barrier effect against water-soluble wood ingredients.

The product is characterised by very good processing, excellent adhesion, fast through-drying, very good flow, high elasticity and filling force.

Free of chemical wood preservatives. The product is formulated without the addition of aromatic solvents, plasticizers and preservatives.

Special properties and standards



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

Application area



- For non-dimensionally stable and limited dimensionally stable timber components for exterior use, such as e.g. wooden houses, timber cladding, canopies, profile boards, window shutters, balconies, gates.
- For dimensionally stable timber components for exterior and interior use, such as e.g. wooden windows and front doors.
- Timber components for the indoor area, such as wall- and ceiling elements.
- Walls discoloured by nicotine or water stains in living rooms, kitchens, nurseries, etc.

PROCESSING

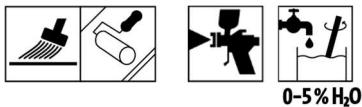
Instructions for use



- 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 lacquer material cannot be mixed with other water-based lacquers! After application of Aqua-Isoprimer CT PRO 4162, it is therefore necessary to rinse the tools well with water.

- The flow of resin cannot be avoided based on the coating method.
- Insufficient application quantities and/or stronger dilution reduce the insulating effect!
- For application by brushing an acrylic brush is recommended. Rolling is done using a short-hair roller.
- Do not sand Aqua-Isoprimer CT PRO 4162.
- The compatibility, adhesion and insulating effect with the substrate must be tested by laying out trial plots.
- 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.

Application technique



Application method	Brushing	Rolling	Cup gun
Spray nozzle (Ø mm)	-	-	1.8 - 2
Spraying pressure (bar)	-	-	2 – 2.5
Spraying distance (cm)	-	-	approx. 25
Wet film (µm)	-	-	approx. 100 µm
Dilution (thinning)	-	-	water
Thinner amount added in %	-	-	0 - 5
Yield per application (m ² /l) ¹⁾	8 - 10		6 - 8

¹⁾ Yield including addition of thinner and loss while spraying

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 room temperature 20 °C)



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 and wood-based materials; nicotine, soot, grease or water stains discoloured walls and ceilings indoor area


Substrate property	<p>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.</p> <p>Please observe ÖNORM B 3430, Part 1 and ÖNORM B 2230, Part 1.</p> <p>See also VOB, Part C, DIN 18363, Paragraph 3; painting and coating work.</p> <p>Please also observe the current BFS data-sheets and VOB, Part C, DIN 18363 painting and coating work.</p> <p>A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.</p> <p>Any coatings that cannot be recoated must be removed thoroughly.</p>
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Wood moisture	<p>Hardwoods: 12 % +/- 2 %</p> <p>Softwoods: 15 % +/- 2 %</p>
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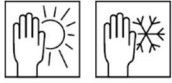
Preparation of the substrate	<p>Wood, wood-based materials inside: Round off any sharp edges, remove wood extractives such as, for example, resins and pitch pockets. Wood sanding grit size 120–150.</p> <p>Wood, wood-based materials outside: For optimal durability, we recommend sanding smooth wooden surfaces with grit size 80 in the direction of the fiber, cleaning them thoroughly and removing wood extractives, such as resin and pitch pockets. Round off any sharp edges.</p> <p>Clean highly resinous timbers and exotic timbers containing drying retardant components with Nitro-Verdünnung 8017.</p> <p>Treat outdoor infestation or attack by algae, green covering or mold with Aviva Fungisan 8308.</p> <p>Nicotine, soot, grease or water stains discoloured walls and ceilings indoor area: Wash off nicotine contamination and soot or grease stains with Entfetter 8009 and allow to dry well. Clean dried water stains dry by brushing them off.</p> <p>Old coatings: Sand intact old coatings with grit size 120 and clean.</p> <p>Please observe the relative technical data sheets of the products.</p>
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COATING SYSTEM

General	The following coating systems are exemplary.
Impregnation	<p>Wood and wood-based materials:</p> <p>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.</p> <p>Intermediate drying time: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the relative 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:</p> <p>1 x Aqua-Isoprimer CT PRO 4162</p> <p>Nicotine, soot, grease or water stains discoloured walls and ceilings indoor area:</p> <p>1 x Aqua-Isoprimer CT PRO 4162</p> <p>Intermediate drying time approx. 6 hours.</p> <p>Please observe the relative technical data sheets of the products.</p>
Intermediate coat	<p>Wood and wood-based materials:</p> <p>Depending on application 1 x Aqua-Nova Pro M 4136, Aqua-Nova Pro SG 4137; Aqua-Nova Pro Spray M 4154, Aqua-Nova Pro Spray SG 4155, Varicolor 4117 or Pullex Aqua-Color 5325</p>
Intermediate sanding	<p>If necessary, sand with grit size 240 - 280.</p> <p>Remove sanding dust.</p>
	
Finishing coat	<p>Wood and wood-based materials:</p> <p>Depending on application 1 x Aqua-Nova Pro M 4136, Aqua-Nova Pro SG 4137; Aqua-Nova Pro Spray M 4154, Aqua-Nova Pro Spray SG 4155, ADLER Varicolor 4117 or Pullex Aqua-Color 5325</p> <p>Nicotine, soot, grease or water stains discoloured walls and ceilings indoor area:</p> <p>Depending on application, the desired Aviva residential paint such as Aviva Terra Ultra White 4024, Aviva Europremium White 4048 or Aviva Home White Plus 4071 can be used.</p> <p>Please observe the relative technical data sheets of the products.</p>
ORDERING INFORMATION	
Size of trading unit	750 ml, 2.5 ml and 10 l
Colour shades	White 4162050000
Supplementary products	<p>Nitro-Verdünnung 8017 Aviva Fungisan 8308 Pullex Aqua-IG 5357 Aqua-Nova PRO M 4136 Aqua-Nova Pro SG 4137 Aqua-Nova PRO Spray M 4154 Aqua-Nova Pro Spray SG 4155 Varicolor 4117 Pullex Aqua-Color 5325 Aviva Terra Ultra-Weiß 4024 Aviva Europremium-Weiß 4048 Aviva Home-Weiß Plus 4071</p>

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).

Close opened containers well and use as soon as possible.

Technical specifications

VOC-content

EU limit value for Aqua-Isoprimer CT PRO (Cat. A/g): 30 g/l. Aqua-Isoprimer CT PRO contains a maximum of 30 g/l VOC.

GISCODE

BSW10

Declaration of ingredients according to VdL-RL 01

Cationic acrylic dispersion, titanium dioxide, mineral fillers, water, glycol ether, additives

Safety-related information 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**.

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

The product is only suitable for professional use.

While grinding use at least dust filter P2 as personal protective equipment to protect against sanding and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).
