

Technical data sheet

Vivid Aqua-Primer Iso CT

4162

Water-based primer for interior and exterior use with outstanding insulating effect, for trade

PRODUCT DESCRIPTION

General

Water-based, white primer formulated with cationic binders, with outstanding insulating and blocking effect against water soluble substances in the wood. Stand-out features of this product include outstanding ease of use, excellent adhesion, fast through-drying, very good flow, a high degree of elasticity and very good filling performance. Free from chemical wood preservers. The product has been formulated without the addition of aromatic solvents, plasticisers and preservatives.

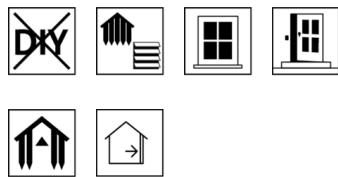
Special properties and standards



- French ordinance DEVL1104875A

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.

Interior timber components made of softwood, such as wall and ceiling elements.

Walls discoloured by nicotine or water marks in living spaces, kitchens, preschools, etc.

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 %.
- The product cannot be mixed with other water-based lacquers. After the application of Vivido Aqua-Primer Iso CT (4162), it is therefore necessary to rinse the tools well with water.
- Resin flow cannot be avoided by the coating.
- Too little quantity applied, too heavy intermediate sanding and/or increased thinning will reduce the insulation effect!

- For application by brushing, an acrylic brush is recommended. Rolling is done using a short hair roller.
- Vivido Aqua-Primer Iso CT (4162) do not sand.
- The product's compatibility, adhesion and insulating effect in regard to the substrate in question can be tested by trying it out in some test areas.
- 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

0-5% H₂O

100 -
125 ml
↓
1m²

	Cup gun	Brushing	Rolling
Spraying nozzle Ø (mm)	1,8 - 2,0	-	-
Spraying pressure (bar)	2,0 - 2,5	-	-
Diluent	Water	-	-
Diluent amount added (%)	0 - 5	-	-
Applied quantity per application (ml/m²)	100 - 125		
Wet film (μm)	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)



Recoatable after

approx. 6 hour(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 and wood-based materials

Walls and ceilings in interior settings with discolouration due to nicotine, soot, grease or water marks

Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, etc. and free from dust, as well as tested for suitability for coating.

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, indoors: Break sharp edges and remove any wood extractives such as resins and resin galls. Wood sanding Grit size 120 - 150</p> <p>Wood and wood-based materials in outdoor settings: For optimal durability we recommend to sand smooth wooden surfaces with grain size 80 – 120 in the direction of the fibre, clean thoroughly and remove wood extractives such as, for example, resins and resin pockets. Round off any sharp edges. Clean resin-rich woods and exotic woods with drying retardants with Nitro-Verdünner 8017 (8017). Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).</p> <p>Walls and ceilings in interior settings with discolouration due to nicotine, soot, grease or water marks: Wash off nicotine marks and soot or grease marks with Entfetter (7233) and allow to dry well. Clean dried on water marks by brushing them while still dry.</p> <p>Old coatings: 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: 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. Intermediate drying time: approx. 4 hours Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use. Please follow our ARL 056 - Working guideline for the use of wood preservatives.</p>
Primer coat	<p>Wood and wood-based materials: 1 x Vivido Aqua-Primer Iso CT (4162)</p> <p>Walls and ceilings in interior settings with discolouration due to nicotine, soot, grease or water marks: 1 x Vivido Aqua-Primer Iso CT (4162)</p>
Intermediate coat	<p>Wood and wood-based materials: Depending on application area: e.g.: Vivido Aqua-Finish Nova M (4136) / Vivido Aqua-Finish Nova SG (4137) / Aqua-Nova PRO Spray M (4154) / Aqua-Nova PRO Spray SG (4155) / Vivido Varicolor (4117) / Pullex Aqua-Color (5325) or 5in1-Color (4159)</p>

Intermediate sanding

If necessary: Slight smooth sanding: Grit size 240 – 280
Remove sanding dust.

Finishing coat**Wood and wood-based materials:**

Depending on application area: e.g.: Vivido Aqua-Finish Nova M (4136) / Vivido Aqua-Finish Nova SG (4137) / Aqua-Nova PRO Spray M (4154) / Aqua-Nova PRO Spray SG (4155) / Vivido Varicolor (4117) / Pullex Aqua-Color (5325) or 5in1-Color (4159)

Walls and ceilings in interior settings with discolouration due to nicotine, soot, grease or water marks:

Depending on application area: e.g.: Aviva Terra Ultra-Weiß (4024) / Aviva Europremium-Weiß (4048) or Aviva Home-Weiß Plus (4071)

ORDERING INFORMATION**Size of trading unit**

750 ml; 2.5 l; 10 l

Colour shades / Glosslevels

Standard colour(s):
Weiß (4162050000)

Supplementary products

5in1-Color (4159)
Vivido Varicolor (4117)
Vivido Aqua-Finish Nova M (4136)
Vivido Aqua-Finish Nova SG (4137)
Aqua-Nova PRO Spray M (4154)
Aqua-Nova PRO Spray SG (4155)
Aviva Europremium-Weiß (4048)
Aviva Fungisan (8308)
Aviva Home-Weiß Plus (4071)
Aviva Terra Ultra-Weiß (4024)
Entfetter (7233)
Nitro-Verdünner 8017 (8017)
Pullex Aqua-Color (5325)
Pullex Aqua-IG (5357)

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

FURTHER DETAILS**Durability / storage**

Min. 1 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 Vivido Aqua-Primer Iso CT (Cat A/g): 30 g/l.
Vivido Aqua-Primer Iso CT contains a maximum of 30 g/l VOC.

Giscode

BSW10

Declaration of ingredients according to VdL-RL 01

acrylic dispersions / inorganic white and coloured pigments / mineral agents / water / glycol ether / rheology additives / interface additives / wetting agent

Safety information



The product is only suitable for professional use.

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

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

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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.
