

Technical data sheet

Vivido Alkyd-Primer Uni

4516

1C adhesion primer and corrosion protection primer for industry, trade and DIY

PRODUCT DESCRIPTION

General

Solvent-based, universal 1C adhesion primer and corrosion protection primer formulated with special synthetic resins, for indoor and outdoor use. Stand-out features of this product include a very good rust protection effect, very fast drying and outstanding coverage.

Application area



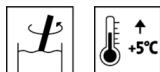
Metal constructions made of iron, steel, non-ferrous metals with zinc, aluminium and copper.

Materials made of coatable, solvent-resistant plastics such as hard PVC.

For the coating of wood and metal indoors and outdoors.

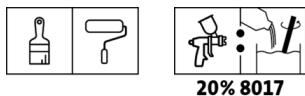
PROCESSING

Processing instructions



- Spraying is only allowed in spray booths complying with the VOC Directive.
- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- The optimal conditions for use are between 10 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- 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.
- Please follow our ARL 505 - Working guideline for alkyd resin coatings-/glazes and oils.

Application technique



	Cup gun	Brushing	Rolling
Spraying nozzle Ø (mm)	1,8 - 2,0	-	-
Spraying pressure (bar)	2,0 - 2,5	-	-
Diluent	Nitroverdünner (8017)	-	-
Diluent amount added (%)	20	-	-

Applied quantity per application (ml/m²)

100 - 125

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)



Dust-dry (ISO 1517)	ca. 20 minutes
Touch-proof	ca. 3 hour(s)
Recoatable (synthetic resin coatings)	ca. 4 hour(s)
Recoatable (two-component coatings)	ca. 12 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!

If the coating is left to dry for more than 48 hours, light intermediate sanding will be required before the next coat is applied.

Cleaning the working equipment

7215

8017

With Aceton-Waschmittel (7215) or Nitro-Verdünnung 8017 (8017) immediately after use.

SUBSTRATE**Type of substrate**

Iron and steel, non-ferrous metals, hard PVC and coatable plastics / Wood and wood-based materials

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.

A prerequisite for ensuring long durability of the coating is to observe the basic principles of constructional wood preservation.

Please observe the additional documents:

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

Wood moisture

13 % ± 2 %

Substrate preparation**Wood and wood-based materials:**

Break sharp edges and remove any wood extractives such as 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 (7233).

Zinc, aluminium and other non-ferrous metals:

Sand until matt with abrasive fleece and Entfetter (7233).

Hard PVC and coatable plastics:

Sand until matt with abrasive fleece and Entfetter (7233).

Old coatings:

Sand with grit size 120 and clean. Remove old coatings that cannot be recoated. The compatibility of the coating must be checked on intact old coatings.

The compatibility of the paint must be tested on old coats of synthetic resin (risk of "lifting").

COATING SYSTEM

Impregnation**Wood and wood-based materials:**

If necessary, impregnate outdoors once with Pullex Imprägnier-Grund (4436) (applies to timbers of durability class 3-5 according to EN 350) to protect against blue stain, fungal decay and insect infestation.

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**.

Primer coat**Iron and steel:**

Indoors: 1 x Vivido Alkyd-Primer Uni (4516)

Outdoors: 2 x Vivido Alkyd-Primer Uni (4516)

Stainless steel and Nirosta:

1 x Vivido 2K-Epoxy-Primer Uni (5604) (Metal)

Zinc:

2 x Vivido Alkyd-Primer Uni (4516)

Aluminium and other non-ferrous metals:

1 x Vivido Alkyd-Primer Uni (4516)

Anodised aluminium:

1 x Vivido 2K-Epoxy-Primer Uni (5604) (Metal)

Plastics:

1 x Vivido Alkyd-Primer Uni (4516)

Due to the large number of plastic materials, an adhesion test is recommended.

Wood and wood-based materials:

1 – 2 x Vivido Alkyd-Primer Uni (4516)

Attention: wood moisture must not exceed 15 %.

For wooden windows we recommend Alkydgrund Vivido Alkyd-Primer (4501).

Intermediate sanding

Grit size 240 – 280

Remove sanding dust.

Intermediate/finishing coat

Vivido Alkyd-Primer Uni (4516) can be overcoated with most conventional solvent-based 1-component and 2-component topcoats.

Particularly suitable are:

Vivido Samtalkyd (4514)

Vivido Brilliantalkyd (4503)

Vivido Expresslack (4504)

Recoating with 2K PUR coatings such as Vivido 2K-PU-Multilack G (4527) or Vivido 2K-PU-Multilack M (4526) should possibly be carried out within 2 days to avoid lifting.

ORDERING INFORMATION

Size of trading unit 375 ml; 750 ml; 2.5 l

Colour shades

Standard colour(s):
Weiß, tönbar (54067)
Grau (4516081826)
Rotbraun (4516079330)

Supplementary products

Vivido 2K-Epoxy-Primer Uni (5604)
Vivido 2K-PU-Multilack G (4527)
Vivido 2K-PU-Multilack M (4526)
Vivido Alkyd-Primer (4501)
Aceton-Waschmittel (8001)
Vivido Brilliantalkyd (4503)
Entfetter (7233)
Vivido Expressslack (4504)
Nitro-Verdünner 8017 (8017)
Pullex Imprägnier-Grund (4436)
Vivido Samtalkyd (4514)

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 Vivido Alkyd-Primer Uni (Cat A/i): 500 g/l.
Vivido Alkyd-Primer Uni contains a maximum of 490 g/l VOC.

Giscode

BSL50

Declaration of ingredients according to VdL-RL 01

vinyl chloride dispersion / alkyd resins / acrylic resins / reactive diluents / inorganic white and coloured pigments / Titanium dioxide / mineral agents / anti-corrosion agents / surface additive / drying agents (siccatives) / anti-skin agent

Safety information



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

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.