

ADLER Varicolor

41201 ff

Universal matt primer coating and topcoat with primer effect for **DIY and professional use**

PRODUCT DESCRIPTION

General

Easy to use, water-based matt primer coating and topcoat for indoor and outdoor use with excellent all-round properties. Universal application on various substrates. The low-odour and environmentally friendly product is block-resistant and non-yellowing.

A finishing coat with rough glimmering texture can be achieved with the base E20. Glossy surfaces can be realized with the application of ADLER Varicolor 41220 Farblos glänzend (glossy colorless). Excellent weathering resistance and permanent elasticity. Excellent insulating effect against wood extractives. Good anti-corrosion effect.

Special properties and standards



- Heat-resistant up to approx. 100 °C
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **DIN 53160-1 and 53160-2** perspiration and saliva-proof properties
- “Baubook”-compliant
- **Cradle to Cradle Certified™ Silver**
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas



- Efficient coating on wood, metal, rigid PVC and intact old coatings for exterior and interior use.
- We recommend using the E20 base on metal in case of extreme weathering. Particularly suitable for wrought-iron works of art, such as lattices, fences or grave crosses.
- For non-dimensionally stable timber components we recommend Pullex Color 50530 or Pullex Aqua-Color 53331.
- We recommend ADLER Ferro GSX 54120 ff for sheet metal roofs and steel constructions with extreme weathering.
- Coat horizontal sheet metal outdoors with ADLER Ferrocolor 54111 ff or ADLER Ferro GSX 54120 ff.

Please observe the relative technical data sheets of the products.

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 flow of resin cannot be avoided based on the coating method.
- Use sealing profiles and adhesive covering tapes for water-based paints.
- For application by brushing an acrylic brush is recommended. Rolling is done using a short-hair roller.

Application technique

0-10% H₂O10-20% H₂O

Application method	Brushing	Rolling	Cup gun
Spray nozzle (Ø mm)	-	-	1.8 – 2
Spraying pressure (bar)	-	-	3 – 4
Dilution (thinning)	water		
Thinner amount added in %	0 – 10		approx. 10 – 20
Yield per application (m ² /l) ¹⁾	approx. 8 – 10		approx. 8

¹⁾ Yield including addition of thinner and loss while spraying

The product is ready for 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 23 °C and 50 % rel. humidity)



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 (very quick drying).

Cleaning the working equipment



With water immediately after use.

To remove dried paint residues, we recommend using ADLER Abbeizer Express 8313000300.

SUBSTRATE

Type of substrate

Wood, wooden materials, metal as well as hard PVC

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 and follow ÖNORM B 2230 Part 1 and 3.</p> <p>See also VOB, Part C, DIN 18363, Paragraph 3; painting and coating work.</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 and wood-based materials Round off any sharp edges, remove wood extractives such as, for example, resins and pitch pockets.</p> <p>Wood sanding grit size 120–150</p> <p>Iron and steel Remove rust down to bare metal. Thoroughly remove greasy or oily impurities using ADLER Entfetter (degreaser) 80394.</p> <p>Zinc, aluminium and other non-ferrous metals Sand until matt with abrasive fleece and ADLER Entfetter 80394.</p> <p>Hard PVC and coatable plastics Sand until matt with abrasive fleece and ADLER Entfetter 80394.</p> <p>Old coatings Sand with grit size 120 and clean. Remove old coatings that cannot be recoated.</p> <p>Please observe the relative technical data sheets of the products.</p>
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COATING SYSTEM

Primer coat	<p>Wood and wood-based materials 1 x ADLER Varicolor 41201 ff</p> <p>If necessary, apply 1 coat of Pullex Aqua-Imprägnierung 51320 (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>Iron and steel <i>Indoors: 1 x ADLER Varicolor 41201 ff</i> <i>Outdoor area: Apply 1 saturated coat of ADLER Varicolor E20 41206 blended (optionally ADLER Aqua-Multiprimer PRO 41095 ff can be used)</i></p> <p>Zinc, aluminium and other non-ferrous metals 1 x ADLER Varicolor 41201 ff</p> <p>Sand anodised aluminium and stainless steel very well until matt and prime within 60 minutes with ADLER 2K-Epoxi-Grund 68304 f.</p> <p>Hard PVC and coatable plastics 1 x ADLER Varicolor 41201 ff</p> <p>Due to the large number of plastic materials, an adhesion test is recommended.</p>
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Old coatings

1 x ADLER Varicolor 41201 ff

The compatibility of the coating must be checked on intact old coatings.

For powder coatings we generally recommend priming with ADLER 2K-Epoxi-Grund 68304. Make a sample and check adhesion. Please observe BFS data sheet no. 24.

Please observe the relative technical data sheets of the products.

Intermediate sanding

If necessary, sand primed surface with grit size 240. Remove sanding dust.

Intermediate coat

1 x ADLER Varicolor 41201 ff (only necessary for iron and steel outdoors)

Finishing coat

1 x ADLER Varicolor 41201 ff

MAINTENANCE & RENOVATION**Maintenance and renovation**

The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.

If required, remove dust and dirt from the still intact areas and paint once with ADLER Varicolor 41201 ff.

Sand and clean intact old coatings with grit size 120. Remove old coatings that cannot be recoated. Coating system like new paint.

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

ORDERING INFORMATION**Size of trading unit**

125 ml (only standard colour shades)
375 ml, 750 ml
2,5 l (for standard colour shades only RAL 6005 and RAL 9005)
10 l (only Weiß W10)

Colour shades / degrees of gloss**Standard colours:**

Glänzend Farblos	41220	Farblos matt	41221
Weiß W10	41201	Anthrazitgrau RAL 7016	41215
Rapsgelb RAL 1021	41211	Lichtgrau RAL 7035	41216
Verkehrsrot RAL 3020	41212	Nussbraun RAL 8011	41217
Enzianblau RAL 5010	41213	Cremeweiß RAL 9001	41218
Moosgrün RAL 6005	41214	Tiefschwarz RAL 9005	41219

Other colour shades can be obtained using the **ADLER colour mixing system Color4You.**

Base paints:

Weiß W10	41201	Basisgelb	41204
Base W20	41202	Basisrot	41205
Base W30	41203	Base E20	41206

Color4You

- In order to ensure uniformity of the colour shade, use only material having the same batch number on a given surface.
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.
- Constrained by the system, lustrous and intensive colour shades have lower covering power under certain circumstances. Hence, it is recommended to apply a preliminary coat of a comparable, opaque white-based pastel colour shade with these colour shades.
- Please consume blended products within 3 months.

Supplementary products

Pullex Aqua-Imprägnierung 51320 ff (wood outdoors)
 Pullex Color 50530 ff
 Pullex Aqua-Color 53331 ff
 ADLER Ferro GSX 54120 ff
 ADLER Ferrocolor 54111 ff
 ADLER Aqua-Multiprimer PRO 41095 ff (metal outdoors)
 ADLER 2K-Epoxi-Grund 68304 (anodised aluminium and stainless steel)
 ADLER Abbeizer Express 8313000300
 ADLER Entfetter 80394

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).

Technical specifications

VOC content EU threshold for ADLER Varicolor (cat. A/i):
 140 g/l (2010). ADLER Varicolor contains a maximum of 50 g/l VOC.

Safety-relevant 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.

Recycle only those containers whose residues have been emptied out. You may dispose of liquid material residues as water-based paint and varnish waste and dried-up material residues as cured paints or as household garbage.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2 – EN 141/EN 143).