

ADLER Varicolor E20

4139

Water-based **anti-corrosion coating with micaceous iron oxide** for DIY and trade

PRODUCT DESCRIPTION

General

Water-based primer, intermediate coat and finishing coat with coarse mica structure for interior and exterior use. This product provides very good protection against corrosion, outstanding resistance to weathering and is very easy to use. For universal use on a diverse range of substrates.

Special properties and standards



- **ADLER green product**
ADLER green products are objectively tested and certified according to three categories: Environment, Health & Safety, and Durability. Only products that score positively in all these areas are awarded the green sustainability label.



- **Colour fastness as per BFS data sheet no. 26**
Class A
Group 1-3 (depending on colour)



- **ÖNORM EN 71-3**
Safety of toys; migration of certain elements (free of heavy metals)



- **DIN 53160-1 and DIN 53160-2**
Perspiration and saliva-proof properties



- **declared product in baubook**
Criteria of the "Baubook Ökologisch ausschreiben" fulfilled

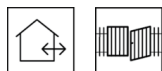


- **Cradle to Cradle Certified® Bronze**
Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.



- **French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+
- Heat-resistant up to 100°C

Application area



For coating iron, steel, zinc and aluminium indoors and outdoors.

Particularly suitable for wrought-iron works of art, such as lattices, fences or grave crosses.

Coat horizontal sheet metal outdoors with Ferrocolor (4506) or Ferro GSX (4505).

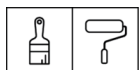
PROCESSING

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 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- Early exposure to water from rain or dew must be prevented!
- For application by brushing, an acrylic brush is recommended. Rolling is done using a short hair roller.
- Carefully cover and mask areas which are not to be coated.
- 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.

Application technique

10-20% H₂O

100 -
125 ml
↓
1 m²

	Cup gun	Brushing	Rolling
Spraying nozzle Ø (mm)	2,0 - 2,2	-	-
Spraying pressure (bar)	3 - 4	-	-
Diluent	Water		
Diluent amount added (%)	10 - 20	0 - 10	
Applied quantity per application (ml/m ²)	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.

Due to the micaceous iron oxide pigments, visual differences in colour may occur depending on the method of application, such as spraying or rolling.

Drying times

(at 23 °C and 50 % rel. humidity)



Re-coatable at room temperature	approx. 6 h
Final hardness	approx. 7 day(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	Iron and steel / Non-ferrous metals / 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 the additional documents:</p> <ul style="list-style-type: none"> • ÖNORM B 2230-1 • ÖNORM B 3430-1 • DIN 18363 • Current BFS information sheets
Substrate preparation	<p>Iron and steel:</p> <p>Remove rust down to bare metal. Thoroughly remove greasy or oily impurities using Entfetter (7233).</p> <p>Zinc, aluminium and other non-ferrous metals:</p> <p>Sand until matt with abrasive fleece and Entfetter (7233).</p> <p>Anodised aluminium and stainless steel:</p> <p>Sand anodised aluminium and stainless steel very well until matt and prime within 60 minutes with 2K-Epoxy-Grund (5604).</p> <p>Hard PVC and coatable plastics:</p> <p>Sand until matt with abrasive fleece and Entfetter (7233). Due to the large number of plastic materials, an adhesion test is recommended.</p> <p>Old coatings:</p> <p>Sand intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated.</p> <p>Powder coating:</p> <p>For powder coatings we generally recommend priming with 2K-Epoxy-Grund (5604). Make a sample and check adhesion. Please observe BFS data sheet no. 24.</p>
COATING SYSTEM	
General	The following coating systems are exemplary.
Primer coat	1 x ADLER Varicolor E20 (4139)
Intermediate coat	1 x ADLER Varicolor E20 (4139) (only necessary for iron and steel in outdoor areas)
Finishing coat	1 x ADLER Varicolor E20 (4139)
MAINTENANCE	
Care	<p>The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary.</p> <p>If required, remove all dust and dirt from the still intact surfaces, sand them using grit size 120, clean them and then coat with 1 - 2 x ADLER Varicolor E20 (4139)</p>

ORDERING INFORMATION

Size of trading unit	375 ml, 750 ml, 2.5 l
Colour shades / Glosslevels Color4You	<p>Colour shades can be obtained using the ADLER colour mixing system Color4You.</p> <p>Base paint(s): ADLER Varicolor E20 Basis E20 (4139071555)</p> <p>In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.</p> <p>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.</p> <p>Please consume blended products within 12 months.</p> <p>Please observe our ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.</p>
Supplementary products	<p>2K-Epoxy-Grund (5604) Abbeizer Express (8313) Entfetter (7233) Ferrocolor (4506) Ferro GSX (4505)</p> <p>Please refer to the corresponding technical data sheets of the products.</p>

FURTHER DETAILS

Durability / storage 	<p>Min. 1 year(s) in the original sealed containers.</p> <p>Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).</p> <p>Close opened containers well and use up the content as soon as possible.</p>
Technical specifications	<p>VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for ADLER Varicolor E20 (Cat A/i): 140 g/l.</p> <p>ADLER Varicolor E20 contains a maximum of 50 g/l VOC.</p>
Giscode	BSW20
Declaration of ingredients according to VdL-RL 01	<p>acrylic dispersions / inorganic white and coloured pigments / organic pigments / mineral agents / anti-corrosion pigments / water / glycol ether / rheology additives / interface additives / wetting agent / neutralising agents / in-can preservation agents</p> <p>Contains 1,2-benzisothiazol-3(2H)-one, adipohydrazide, and a reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May cause allergic reactions.</p> <p>Information for allergy sufferers under telephone no. +43 5242 6922-713.</p>
Safety information 	<p>The usual protective measures must also be observed when processing low-pollutant products.</p> <p>During sanding use P2 / P3 dust filter. Do not inhale spray mist. Use combination filter A2 / P2 and safety goggles.</p> <p>If medical advice is needed, have the packaging or label ready.</p> <p>If the product comes into contact with your eyes, rinse immediately with water.</p> <p>It should be kept out of reach of children.</p> <p>Ensure good ventilation during application and drying.</p>

During work, do not eat, drink or smoke.

Do not allow to enter drains, water courses or soil.

Only dispose of empty containers for recycling, liquid material residues can be disposed of as water-based paint waste, dried material residues as hardened paint or as household waste.

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**.
