

Technical data sheet

Ferrocolor

4506

Decorative base coat and topcoat with rust protection effect for **DIY and trade**

PRODUCT DESCRIPTION

General

Decorative base coat and topcoat made from special synthetic resins, with very good protection against corrosion; no additional priming is required; compatible with residual rust. Very good resistance to weathering. Environmentally friendly due to a higher solids content and the use of white spirits that are free from aromatic hydrocarbons as solvents.

Application area

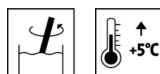


For coating iron, steel, zinc and aluminium indoors and outdoors.

For sheet metal roofs and steel constructions with extreme weathering we recommend Ferro GSX (4505).

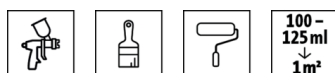
PROCESSING

Processing instructions



- **Spraying is only allowed in spray booths complying with the VOC Directive.**
- Please stir the product before use.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- Early exposure to water from rain or dew must be prevented!
- 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



	Cup gun	Brushing	Rolling
Spraying nozzle Ø (mm)	1,8 - 2,0	-	-
Spraying pressure (bar)	2,0 - 2,5	-	-
Diluent	KH-Spritzverdünner (8014)	-	-
Diluent amount added (%)	20	-	-
Applied quantity per application (ml/m ²)	100 - 125		

1-1 IMC 4506 | 07/25 | replaces 1-0

ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

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)



24h

Re-coatable at room temperature	approx. 24 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.

For good thorough drying, the recommended application quantities must be adhered to. Excessive layer thicknesses lead to a considerable drying delay!

Cleaning the working equipment



8014

With KH-Spritzverdünner (8014) 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 and coatable plastics

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.

Please observe the additional documents:

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

Substrate preparation

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 intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated. Coating system like new paint. The compatibility of the coating must be checked on intact old coatings.

COATING SYSTEM

Primer coat

Iron and steel:

1 x Ferrocolor (4506)

Zinc, aluminium and other non-ferrous metals:

1 x Ferrocolor (4506)

Anodised aluminium and stainless steel:

Sand anodised aluminium and stainless steel very well until matt and prime within 60 minutes with 2K-Epoxy-Grund (5604).

Hard PVC and coatable plastics:

1 x Ferrocolor (4506)

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

Old coatings:

1 x Ferrocolor (4506)

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

Powder coating:

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.

Intermediate sanding



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

Intermediate coat

1 x Ferrocolor (4506)
 (only necessary for iron and steel in outdoor areas)

Finishing coat

1 x Ferrocolor (4506)

MAINTENANCE

Care

If required, remove dust and dirt from the still intact areas and paint 1 – 2 x using Ferrocolor (4506).

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 .

ORDERING INFORMATION

Size of trading unit

750 ml, 2.5 ml, 10 l (only Base W10 White)

Colour shades / Glosslevels



Standard colour(s):

RAL6005 Moosgrün (4506006005)
 RAL9005 Tiefschwarz (4506009005)

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

Base paint(s):

Ferrocolor W10 Weiß, tönbar (54111)
 Ferrocolor Basis W20 (54112)
 Ferrocolor Basis W30 (54113)
 Ferrocolor Basis Gelb (54114)
 Ferrocolor Basis Rot (54115)

In order to ensure uniformity of the colour shade, use only material with 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.

White and shades derived from white tend to change the colour tone in artificial lighting.

This appearance typical of synthetic resin paints can be reinforced by dark storage and ammonia-containing air.

Depending on the system, brilliant and intensive color shades may have a lower covering power. Hence, it is recommended to apply a preliminary coat of a comparable, opaque and pastel colour shade based on W15.

Please consume blended products within 3 months.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

Supplementary products

2K-Epoxy-Grund (5604)
Entfetter (7233)
Ferro GSX (4505)
KH-Spritzverdünner 8014 (8014)

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

FURTHER DETAILS

Durability / storage

Min. 3 year(s) in the original sealed containers.

We recommend to transfer the contents of open containers to smaller ones in order to prevent gelling / skin formation.

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 Ferrocolor (Cat A/i): 500 g/l.
Ferrocolor contains a maximum of 400 g/l VOC.

Giscode

BSL20

Declaration of ingredients according to VdL-RL 01

alkyd resins / inorganic white and coloured pigments / anti-corrosion pigments / aliphatic compounds / wetting agent / anti-skin agent / drying agents (siccatives)

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.