

Express-Maschinenlack

4504

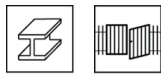
Glossy, solvent-based machine paint for interior and exterior use for DIY and trade

PRODUCT DESCRIPTION

General

Glossy, solvent-based synthetic resin spray paint. Good resistance to weathering and yellowing. Stand-out features of this product include rapid drying, good scratch resistance, very good coverage and filling performance, optimal flow and good sag resistance.

Application area

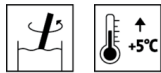


First-time painting and repairs of agricultural and industrial machinery.

Express-Maschinenlack (4504) is resistant to fuels and solvents to a moderate extent.

PROCESSING

Processing instructions



- 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 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- To achieve a surface with greater mechanical and chemical resistance, mix with up to 15% Alkydharzturbo (8054) and adjust to the desired viscosity by adding KH-Spritzverdünner 8014 (8014). Before application, Alkydharzturbo (8054) must be thoroughly stirred into the coating component. Pot life approx. 1 working day A further extension of the pot life is not possible. Do not close containers with hardened material.
- 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
Spraying nozzle Ø (mm)	1,8 - 2,0
Spraying pressure (bar)	2,0 - 2,5
Diluent	KH-Spritzverdünner 8014
Diluent amount added (%)	25
Applied quantity per application (ml/m ²)	60 - 80

1-1 IMC 4504 | 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)



Touch-proof	approx. 3 hour(s)
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!

The drying time can be significantly shortened by increasing the temperature (up to a max. of 80 °C).

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

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 2230-2
- DIN 18363
- ÖNORM B 3430-1
- 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.

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.

COATING SYSTEM

Primer coat

Iron and steel:

Indoors: 1 x Metallgrund (4512) or Unigrund LM (4516) or 2K-Epoxy-Grund (5604)

Outdoors: 2 x Metallgrund (4512) or Unigrund LM (4516) or 2K-Epoxy-Grund (5604)

Zinc:

2 x Unigrund LM (4516) or 2K-Epoxy-Grund (5604)

Aluminium and other non-ferrous metals:

1 x Unigrund LM (4516) or 2K-Epoxy-Grund (5604)

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 Unigrund LM (4516) or 2K-Epoxy-Grund (5604)

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

Intermediate sanding



Grit size 240 – 280

Remove sanding dust.

Finishing coat

1 x Express-Maschinenlack (4504)

ORDERING INFORMATION

Size of trading unit

750 ml, 2.5 l

Colour shades / Glosslevels



Base paint(s):

Express-Maschinenlack W10 Weiß, tönbar (52750)

Express-Maschinenlack Basis W20 (52790)

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

Standard colour(s):

Y10 52 Gelb (52752)

Y30 53 Orange (52753)

R20 54 Rot (52754)

R70 55 Rot (52755)

Y40 59 Ocker (52759)

G40 66 Grün (52766)

B40 68 Blau (52768)

73 Schwarz (52773)

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.

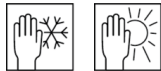
Depending on the system, brilliant and intensive color shades may have a lower covering power.

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)
 Abbeizer Express (8313)
 Alkydharzturbo (8054)
 Entfetter (7233)
 KH-Spritzverdünner 8014 (8014)
 Metallgrund (4512)
 Unigrund LM (4516)

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

FURTHER DETAILS**Durability / storage**

Min. 5 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

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.

Giscode

BSL50

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.