

## KH-Mattlack

4508

Matt synthetic resin topcoat for interior and exterior use on metal, for DIY and trade

### PRODUCT DESCRIPTION

#### General

High-quality solvent-based matt paint formulated with alkyd resin for interior and exterior use, with rust protection; heat resistant up to approx. 150 °C.

#### Application area



For coating metal in both exterior and interior settings, e.g. wrought iron, fences, gates, etc.

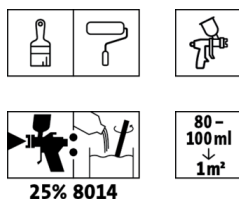
### PROCESSING

#### 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 %.
- **Spraying is only allowed in spray booths complying with the VOC Directive.**
- 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 (8014)	-	-
Diluent amount added (%)	25	-	-
Applied quantity per application (ml/m²)	80 - 100	60 - 80	-

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)	approx. 30 minute
Recoatable	approx. 3 h
Final hardness	ca. 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!

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

Avoid direct sunlight!

**Cleaning the working equipment**

7231



8014

With Adlerol-Terpentinölersatz (7231) or 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

**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).

**Old coatings:**

Sand intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated.

**COATING SYSTEM****Primer coat****Iron and steel:**

1 x KH-Mattlack (4508)

**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).

**Old coatings:**

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

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.

<b>Intermediate coat</b>	<b>Only necessary for zinc, aluminium and other non-ferrous metals:</b> 1 x KH-Mattlack (4508) Intermediate drying: approx. 3 hour(s)
<b>Finishing coat</b>	1 x KH-Mattlack (4508)
<b>MAINTENANCE</b>	
<b>Care</b>	<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 dust and dirt from the still intact areas and paint 1 x using KH-Mattlack (4508).</p>
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	375 ml, 750 ml, 2.5 l
<b>Colour shades / Glosslevels</b>	<b>Standard colour(s):</b> Schwarz (4508100552) <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>
<b>Supplementary products</b>	Abbeizer Express (8313) Adlerol-Terpentinölersatz (7231) Entfetter (7233) 2K-Epoxy-Grund (5604) KH-Spritzverdünner 8014 (8014) Unigrund LM (4516) <p>Please refer to the corresponding technical data sheets of the products.</p>
<b>FURTHER DETAILS</b>	
<b>Durability / storage</b> 	<p>Min. 5 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>We recommend to transfer the contents of open containers to smaller ones in order to prevent gelling / skin formation.</p> <p>Close opened containers well and use up the content as soon as possible.</p>
<b>Giscode</b>	BSL50
<b>Declaration of ingredients according to VdL-RL 01</b>	alkyd resins / inorganic white and coloured pigments / anti-corrosion pigments / aliphatic compounds / wetting agent / anti-skin agent / drying agents (siccatives)
<b>Technical specifications</b>	<p>VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for KH-Mattlack (Cat A/i): 500 g/l.</p> <p>KH-Mattlack contains a maximum of 470 g/l VOC.</p>

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## Safety information



The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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](http://www.adler-lacke.com)**.

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