Pache SARL - 64 Route de Gravin, 74300 Magland
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Technical data sheet

ADLER
Paint runs through our veins.

Metallgrund 4512

Solvent-based **corrosion protection primer** for **DIY and trade**

PRODUCT DESCRIPTION

General

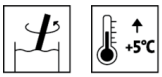
Solvent-based corrosion protection primer formulated with short-oil alkyd resins with pigmentation that is free of lead and zinc chromate, for indoor and outdoor use. Stand-out features of this product include an outstanding rust protection effect on iron and steel, very fast drying and outstanding coverage. Long-term temperature resistance up to 70 °C.

Application area

Metal constructions and machines made of iron and steel

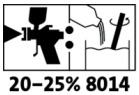
PROCESSING

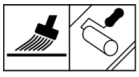
Processing instructions



- 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 10 - 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.
- **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.
- Please follow our **ARL 505 - Working guideline for alkyd resin coatings/-glazes and oils.**

Application technique





	Cup gun	Brushing	Rolling
Spraying nozzle Ø (mm)	1,8 - 2,0	-	
Spraying pressure (bar)	2,0 - 2,5	-	
Diluent	KH-Spritzverdünnung (8014)	-	
Diluent amount added (%)	20 - 25	-	

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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.

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Applied quantity per application (ml/m²)	100 - 125

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)

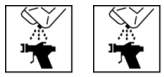
Recoatable after	approx. 1 - 2 hour(s)

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 Aceton-Waschmittel (7215) or KH-Spritzverdünner 8014 (8014) immediately after use.

SUBSTRATE

Type of substrate

Iron and steel

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

Remove old coatings that cannot be recoated.

Substrate preparation

Iron and steel:

Remove rust down to bare metal.

Thoroughly remove greasy or oily impurities using Entfetter (7233).

Old coatings:

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

The compatibility of the paint must be tested on old coats of synthetic resin (risk of “lifting”).

COATING SYSTEM

Primer coat

Indoors: 1 x Metallgrund (4512)

Outdoors: 2 x Metallgrund (4512)

Intermediate sanding

Grit size 240 – 280

Remove sanding dust.

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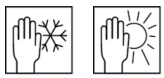
Intermediate/finishing coat	Metallgrund (4512) can be painted over with most conventional solvent-based intermediate and top coats. Particularly suitable are: Samtalkyd (4514) Brilliantalkyd (4503) Express-Maschinenlack (4504) Recoating with 2K PUR coatings such as 2K-PU-Multilack Glänzend (4527) or 2K-PU-Multilack Matt (4526) should possibly be carried out within 2 days to avoid lifting.

ORDERING INFORMATION

Size of trading unit	750 ml, 2.5 l
Colour shades	**Standard colour(s):** Weiß (4512050000) Grau (4512081826) Rotbraun (4512079330)
Supplementary products	2K-PU-Multilack Glänzend (4527) 2K-PU-Multilack Matt (4526) Aceton-Waschmittel (7215) Brilliantalkyd (4503) Entfetter (7233) Express-Maschinenlack (4504) KH-Spritzverdünner 8014 (8014) Samtalkyd (4514) 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). 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 Metallgrund (Cat A/i): 500 g/l. Metallgrund contains a maximum of 460 g/l VOC.
Giscode	BSL60
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). When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust. 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.**

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