

ADLER Aqua-Multiprimer PRO Spray

4152050000

Water-based rust protective primer and adhesion promoter for professional use

PRODUCT DESCRIPTION

General

Water-based, thixotropic or drop-inhibited rust protective primer based on acrylate dispersion for interior use. Good anti-corrosive effect on iron and steel.

The low-odour and environmentally friendly product is excellent to process and has an optimal flow.

Special properties and standards

- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+



Application areas



- For coating iron, zinc, aluminium and other non-ferrous metals as well as hard PVC and coatable plastics for interior use.
- Application in combination with a suitable topcoat system.

PROCESSING

Instructions for use



- Please stir the product before use. However, prevent entry of air while stirring.
- 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 %.
- When changing from ADLER Aqua-Multiprimer PRO Spray 4152050000 to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.

Application technique0-5% H₂O0-10% H₂O

Application method	Airless	Airless air-supported (Airmix, Aircoat, etc.)	Cup gun
Spray nozzle (ø mm)	0.28 or 0.33	0.28 or 0.33	1.8 – 2.0
Spray nozzle (ø inch)	0.009 or 0.011	0.009 or 0.011	-
Spraying angel (degrees)	20 – 40	20 – 40	-
Spraying pressure (bar)	80 – 100	80 – 100	3 – 4
Atomized air (bar)	-	0,5 – 1,5	-
Spraying distance (cm)	approx. 25		
Thinner	water		
Thinner amount added in %	0 – 5		0 - 10
Wet film (µm)	100 – 125		
Yield per application (g/m ²) ¹⁾	200 – 250		
¹⁾ Yield including addition of thinner and loss while spraying			

The shape, the properties and moisture of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at room temperature 20 °C)



4h

Recoatable	after approx. 4 hours
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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.

Cleaning the working equipment

With water immediately after use.

To remove dried paint residues we recommend using ADLER Aqua-Cleaner 80080 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Iron and steel, non-ferrous metals, hard PVC and coatable plastics.

Substrate property	<p>The substrate must be dry, clean, free from separating substances such as grease, wax, silicone etc. and free from dust, as well as tested for suitability for coating.</p> <p>Please observe and follow ÖNORM B 2230 Part 3.</p> <p>See also VOB, Part C, DIN 18363, Paragraph 3; painting and coating work.</p> <p>Any coatings that cannot be recoated must be removed thoroughly.</p>
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Preparation of the substrate	<p>Iron and steel Remove rust down to bare metal. Thoroughly remove greasy or oily impurities using ADLER Entfetter (degreaser) 80394.</p> <p>Zinc, aluminium and other non-ferrous metals Sand until matt with abrasive fleece and ADLER Entfetter 80394.</p> <p>Hard PVC and coatable plastics Sand until matt with abrasive fleece and ADLER Entfetter 80394.</p> <p>Old coatings Sand intact old coatings with grit size 120 and clean. Remove old coatings that cannot be recoated.</p> <p>Please observe the relative technical data sheets of the products.</p>
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COATING SYSTEM

Primer coat	<p>Iron and steel, indoors 1 x ADLER Aqua-Multiprimer PRO Spray Weiß 4152050000</p> <p>Zinc, indoors 1 x ADLER Aqua-Multiprimer PRO Spray 4152050000 In the case of surfaces subject to low mechanical stress, priming can be omitted.</p> <p>Aluminium and other non-ferrous metals, indoors 1 x ADLER Aqua-Multiprimer PRO Spray 4152050000</p> <p>Hard PVC, indoors In this case priming can be omitted. Due to the large number of plastic materials, an adhesion test is recommended.</p> <p>Old coatings No primer coating is required for intact old coatings, but the compatibility of the coating must be checked. Damaged areas in not intact old coats must be pre-treated according to the respective substrate. Coating system like new paint.</p> <p>For powder coatings we generally recommend priming with ADLER 2K-Epoxi-Grund 68304 f. Make a sample and check adhesion. Please observe BFS data sheet no. 24.</p> <p>Please observe the relative technical data sheets of the products.</p>
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Intermediate sanding



Sand primed surface with grit size 240.
Remove sanding dust.

Finishing coat

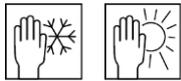
1 x ADLER Aqua-Nova PRO Spray M 4154000010 ff
or
1 x ADLER Aqua-Nova PRO Spray SG 4155000010 ff

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION

Size of trading unit	4 l; 22 l
Colour / degree of gloss	Weiß 4152050000
Supplementary products	ADLER Abbeizer Express 8313000300 ADLER Entfetter 80394 ADLER Aqua-Cleaner 80080 ADLER Aqua-Nova PRO Spray M 4154000010 ff ADLER Aqua-Nova PRO Spray SG 4155000010 ff ADLER 2K-Epoxi-Grund 68304 f

OTHER INSTRUCTIONS

Durability / storage

At least 1 year in the original sealed containers.

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

Technical specifications

VOC content	EU limit value for ADLER Aqua-Multiprimer PRO Spray (cat. A/i): 140 g/l (2010). ADLER Aqua-Multiprimer PRO Spray contains a maximum of 30 g/l VOC.
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Safety-related information

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**.

The product is only suitable for industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).
