

ADLER Aqua-Nova PRO Spray M

4154000015 ff

Water-based pigmented matt coating system for professional use

PRODUCT DESCRIPTION

General

Water-based, non-yellowing, opaque coating system for indoors and outdoors. Excellent resistance to weathering and UV, high scratch resistance, high level of block resistance and high chemical resistance.

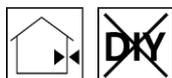
The low-odour and environmentally friendly product is excellent to process and has an optimal flow.

Special properties and standards



- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- **DIN 53160-1 and DIN 53160-2** perspiration and saliva-proof properties
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application areas



- Coating on primed wood indoors and metal, hard PVC, as well as intact old coatings indoors and outdoors.
- We recommend ADLER Ferro GSX 54120 ff for sheet metal roofs and steel constructions with extreme weathering.
- Coat horizontal sheet metal outdoors with ADLER Ferrocolor 54111 ff or ADLER Ferro GSX 54120 ff.

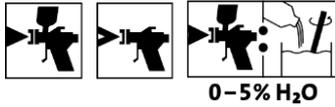
Please observe the relative technical data sheets of the products.

PROCESSING

Instructions for use



- Please stir the product before use.
- 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 %.
- The flow of resin cannot be avoided based on the coating method.
- Use sealing profiles and adhesive covering tapes for water-based paints.

Application technique

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)	0.011 or 0.013	0.011 or 0.013	-
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
Wet film (µm)	150 – 200		
Yield per application (g/m ²) ¹⁾	300 – 400		
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 23 °C and 50 % rel. humidity)



Recoatable	after approx. 6 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.

Avoid direct sunlight (very quick drying).

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) or ADLER Abbeizer Express 8313000300.

SUBSTRATE**Type of substrate**

Wood, wooden materials, metal as well as hard PVC

Substrate property	<p>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.</p> <p>Please observe and follow ÖNORM B 2230 Part 1.</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>
Wood moisture	<p>Hardwoods: 12 % +/- 2 %</p> <p>Softwoods: 15 % +/- 2 %.</p>
Preparation of the substrate	<p>Wood and wood-based materials Round off any sharp edges, remove wood extractives such as, for example, resins and pitch pockets.</p> <p>Wood sanding with grit size 120 - 150</p> <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>

COATING SYSTEM

Primer	<p>Wood and wood-based materials, indoors 1 x ADLER Aqua-Isoprimer PRO Spray Weiß 4153050000</p> <p>Iron and steel, indoors 1 x ADLER Aqua-Multiprimer PRO Spray Weiß 4152050000</p> <p>Iron and steel, outdoors 1 x ADLER Unigrund LM 54065 ff or 1 x ADLER 2K-Epoxi-Grund 68304 f</p> <p>Stainless steel Sand stainless steel very well until matt and prime within 60 minutes with ADLER 2K-Epoxi-Grund 68304 f.</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>Zinc, aluminium and other non-ferrous metals, outdoors 1 x ADLER Unigrund LM 54065 ff or 1 x ADLER 2K-Epoxi-Grund 68304 f</p>
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Anodised aluminium

Sand anodised aluminium very well until matt and prime within 60 minutes with ADLER 2K-Epoxi-Grund 68304.

Hard PVC and coatable plastics

Indoors, the primer can be omitted.

Outdoors 1 x ADLER Aqua-Multiprimer PRO Spray 4152050000.

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

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.

Please observe the relative technical data sheets of the products.

Intermediate sanding

Sand primed surface with grit size 240.

Remove sanding dust.

Finishing coat

1 x ADLER Aqua-Nova PRO Spray M 4154000015 ff

MAINTENANCE & RENOVATION**Maintenance and renovation**

The durability depends on several factors: these include particularly the type of weathering, constructional protection, mechanical stress and the choice of colour applied. To obtain long durability, preservation work is necessary in time. Therefore, we recommend annual maintenance.

If required, remove dust and dirt from the still intact areas and paint once with ADLER Aqua-Nova PRO M 4136000015 ff.

Please observe the relative technical data sheets of the products.

ORDERING INFORMATION**Size of trading unit**

4 l, 18 l

Colour shades / degrees of gloss

ADLER Aqua-Nova PRO Spray M 4154049100
Weiß, tingable

Color4You

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

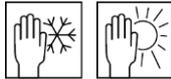
Base paints:

Base W15	4154000015
Base W20	4154000020
Base W30	4154000030

- In order to ensure uniformity of the colour shade, use only material having 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.
- Please consume blended products within 3 months.

Supplementary products

ADLER Ferro GSX 54120 ff
 ADLER Ferrocolor 54111 ff
 ADLER 2K-Epoxi-Grund 68304 f (anodised aluminium and stainless steel)
 ADLER Aqua-Multiprimer PRO Spray 4152050000 (metal)
 ADLER Aqua-Isoprimer PRO Spray 4153050000 (wood)
 ADLER Aqua-Nova PRO M 4136000015 ff
 ADLER Abbeizer Express 8313000300
 ADLER Entfetter 80394
 ADLER Aqua-Cleaner 80080

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 threshold for ADLER Aqua-Nova PRO Spray M (cat. A/d): 130 g/l (2010). ADLER Aqua-Nova PRO Spray M contains a maximum of 80 g/l VOC.

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.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2 – ÖNORM EN 14387 /EN 143).