

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

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KNAUF

Plaster and Façade Systems

B131.de

Product Data Sheet

2022-01



Autol

Premium silicone resin façade paint with self-cleaning effect

Product description

Highly vapour permeable, matt-finish silicone resin façade paint with self-cleaning effect. A significant reduction in the adhesion of dirt particles facilitates wash-off of dirt solely by the action of precipitation.

Composition

Silicone resin emulsion, polymer dispersion, titanium dioxide, water, fillers, additives, colour pigments, preservatives.

Storage

The material can be stored for at least 24 months in the original container in a cool and frost-free environment. Close opened buckets airtight.

Quality

The product is subject to continuous factory production control and is compliant to EN 1062-1 as well as DIN 18363 section 2.4.1.

Properties and added value

- For exterior use
- With self-cleaning effect
- Highly colour shade fast
- Very high coverage
- Highly vapour permeable
- High filling capacity
- Colour shade white (approximately RAL 9016)
- Can be pigmented with the Knauf ColorConcept colour shade selector card

Field of application

Autol paint is easy to apply. Autol is applied as the first coat or renovation coat after examination of the substrate and possible pretreatment of the substrate on:

- Mineral renders (e.g. Noblo, SP 260 Pro)
- Organic renders (e.g. Conni, Addi)
- Silicate renders (e.g. Kati)
- Old paint coats
- Lime sandstone
- Fibre-reinforced cement board
- Reinforced concrete (not on bridges)

Application

Substrate and pretreatment

Substrate	Pretreatment
Lime-based/cementitious mortar CS II/CS III acc. to EN 998-1	Pretreat coarse, porous, sanding, highly absorbent substrates with Grundol.
New mineral based renders (e.g. Noblo, SP 260 Pro)	A coat of bright to pastel colour shades can be applied without a primer after sufficient drying time (at least 7 days). In case of intensive colour shades, a preliminary coat of Casiol Grund in a nearly identical colour shade is recommended.
New organic top coats (e.g. Addi, Conni, Kati)	After sufficient drying time (generally 1 day per mm layer thickness, however at least 3 days), apply directly without pretreatment.
Mineral based old renders	Knock out the cavities, clean the substrate thoroughly and apply render in accordance with the existing material and texture. Allow the newly rendered areas to dry sufficiently, and if necessary, apply fluosilicate treatment and wash off
Stable, but chalking or sanding surfaces	Pretreat with Grundol primer, the Tiefengrund primer must be fully absorbed beforehand.

Preparation

Check substrate for compliance with VOB part C, DIN 18350, DIN 18345 chapter 3.1 and/or according to VOB part B, DIN 1961 paragraph 4 no. 3. Clean the substrate of dust and loose parts and remove, ensure that the surface is smooth. Preparation of the substrate in accordance with the substrate and pretreatment table. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion. Please observe BFS Code of Practice 9, section 5.2 (German only). Test existing coats (paint coats and old renders) for stability and compatibility before application of Autol. Cover easily-soiled building components before commencement in accordance with Code of Practice "Abklebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten - Masking and covering for painting and stucco work" (German only) issued by the Bundesverband Ausbau und Fassade. Protect weather-exposed surfaces from precipitation and direct sunlight.

Application

Before work commences, check colour and batch numbers on all buckets as well as the colour shade by sampling (trial coat) to ensure it is correct. Never apply the content from different buckets together on a common wall. Mix the contents together in a clean bucket beforehand. Stir the contents of the bucket thoroughly. Autol paint is set ready to use by adding up to 5 % water. Dilution with up to 10 % water is possible as a primer coat. Dilute with approx. 5 % water for airless application. In case of over-dilution, the hiding power (opacity) and the guaranteed properties will be affected.

Apply Autol thin, evenly and edge-free *wet-in-wet* onto the stable and dry render surface, final coat or paint coat. Always complete surfaces that can be viewed together on the same day. Always complete a surface once started. Always work so that the transition areas between scaffolding are roll or brush applied *wet-in-wet*. Application is undertaken primarily using a paint roller or paintbrush. Large surfaces can have the paint applied using an airless machine provided that impurities and contaminants are not a problem for the paint spray.

Application temperature / climate

Do not apply material at air and/or substrate temperatures below +5 °C and above +30 °C. Protect fresh coats from the effects of moisture, e.g. from precipitation and from the effects of rapid water loss, e.g. by exposure to direct sunshine or strong wind, by protecting with suitable measures such as protective nets. Do not apply Autol onto preheated substrates.

Drying time

Autol is touch dry at +20 °C and 65 % relative humidity after approx. 12 hours. These drying times are extended at lower temperatures and/or higher levels of air humidity. A minimum drying time of 24 hours and a maximum of 7 days is necessary between coats. Fully dry and ready-to-use after at least 3 days.

Note	Paint coats have to be applied according to DIN 18363 VOB part C section 3 as well as the generally recognized building engineering rules and valid guidelines. Work <i>fresh-in-fresh</i> in a single work step to avoid the formation of visible edging. Differences in the colour shade and surface shading may occur due to different weather-related and building site conditions. When reordering, always state the consignment number of the previous delivery.
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Note	Should dark coloured surfaces be exposed to high mechanical loading, the colour may change at affected locations (crazing). This does not affect the product quality and functionality. Depending on the colour shade, there may be a reduced opacity with very bright, intensive colour shades. We recommend application to a trial surface, and if necessary, an additional final coat may be required.
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Note	Autol features a biocide film coating. Permanent protection against algae and fungi cannot be guaranteed, as the susceptibility depends on the local and environmental conditions.
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Technical data

Description	Standard	Unit	Autol
Gloss	EN ISO 2813	Class	G3 matt
Dry film thickness	EN 1062-1	Class	E3, > 100 ≤ 200 µm
Grain size	EN ISO 1524	Class	S1 fine
Water vapour transmission rate	EN ISO 7783-2	Class	V1 high
Liquid water permeability	EN 1062-3	Class	W 3 low
Colour shade durability	BFS code of practice no. 26	Class	B
Density	–	g/cm ³	1.54
VOC content	Directive 2004/42/EC, annex II, table A (Limit value product sub-category c: 40 g/l)	g/l	< 40

The technical data was determined according to the respective applicable test standards. Deviations under site conditions are possible.

Material requirement and efficiency

Substrate	Package	Consumption approx. l/m ²	Yield 5.0 l / 12.5 l approx. m ² /bucket
Smooth	Single coat	0.17	29.0 / 73.0
	Double coat	0.25	20.0 / 50.0
Rough	Single coat		
	Double coat	0.40	12.5 / 31.0

The exact consumption can only be determined with a test application on the individual object.

Product range

Description	Type	Paint	Packaging unit	Material number	EAN
Autol	12.5 l	White	32 buckets/pallet	00054597	4003950029875
		Pigmented		00056027	4003950054990
	5.0 l	White	68 buckets/pallet	00060816	4003950039324
		Pigmented		00061881	4003950055003



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For safety data sheet see

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