

ADLER Tirosil-Color

40466 ff

Universal facade paint with **preventive film protection** against algae and fungus for DIY and professional use

PRODUCT DESCRIPTION

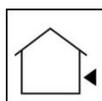
General

Easy to process, water-based, dirt-repellent facade paint with a preventive film protection against algae and fungus based on special hybrid binding agent technology with a pronounced mineral character. The product is characterised by a high level of water vapour permeability (s_d value), good level of water-proofness with increased protection against driving rain (w value). It is highly weather-resistant and maintains the colour shade excellently with a wide variety of colour shades.

Special Properties Testing Standards

- Environment-friendly and low-odour
 - Resistant to industrial waste gases
 - Water-repellent in accordance with **DIN 4108**
 - Characteristics in accordance with **DIN EN 1062**
- | | | |
|--------------------------------------|--|----------------|
| Gloss: | matt | G ₃ |
| Dry film thickness: | 100 - 200 µm | E ₃ |
| Maximum grain size: | < 100 µm | S ₁ |
| Permeable to water vapour (sd value) | < 0.14 (high) | V ₁ |
| Water permeability (w value) | < 0.1 [kg/(m ² xh ^{0.5})] (low) | W ₃ |

Areas of application



High-class facade coating for

- mineral substrates,
- adhesive old coats, old building fabrics,
- Rough, spray and resin plasters
- Optimum thermal insulation (WDVS)

Not suitable for horizontal surfaces exposed to water!

PROCESSING

Instructions for application



- Please stir the product before use.
- Do not apply it at temperatures below + 5°C and / or relative atmospheric humidity > 80 %.
- Do not process it under conditions of intense sunlight, rain or impending frost. Cover those surfaces well that are not to be treated.
- Apply the coat at one stroke to avoid wet-on-wet crusts.
- Signs of touch-up work on the surface depend on several factors and hence, cannot be avoided (BFS data sheet 25).

- In case of facade surfaces that are exposed to moisture more than usual under special conditions of real estate property or as a result of natural impact of weathering, there is an increased risk of formation of fungus and algae
- ADLER Tirosil-Color 40466 ff is provided with a protective film. This protects the material in the long term and lasting manner, limited in time from attack of infestation whose effectiveness period depends on the property conditions, such as, for example, the severity of the attack or infestation and the exposure to moisture. Hence, it is not possible to prevent infestation by algae and fungus permanently.
- Remove paint splashes with water immediately.

Application technique



Application method	Using a brush	Roller brush application	Airless
Spray nozzle (Ø mm)	-	-	0.53 – 0.63
Spray nozzle (Ø inch)			0.021 – 0.026
Nozzle angle (°)			50
Spraying pressure (bar)	-	-	150 - 180
Fine strainer			0.2 mm
Dilution (thinning)	-	-	Water
Thinner amount added in %	-	-	Max. 10%
Consumption ml/m ²	approx. 200		
Yield per application (m ² /l) ¹⁾	6 – 8		approx. 5
¹⁾ Yield including addition of thinner and loss while spraying			

The shape and properties 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)



Can be repainted	after approx. 4 h
Rainproof	after approx. 24 h

The figures indicated serve as a guide and are for reference. The drying time depends on the coat thickness, temperature, air exchange and relative atmospheric humidity.

Cleaning the tools and equipment



Clean them with soap water immediately after use.

Remove dried-up paint residues with ADLER Abbeizer Rote Krähe 95125.

SUBSTRATE

Type of substrate

Mineral substrates (plasters, concrete), synthetic resin plasters, well-adhesive, matt facade colour coats, WDV systems

Substrate property (or condition)

The substrate must be dry, clean and free from any separating substances, and it must be checked to see whether it is suitable and capable of being recoated.

Please observe ÖNORM B 2230 Part 2.

See also VOB, Part C, DIN 18363, paragraph 3; Painting and coating work.

Any coatings that cannot be recoated must be removed thoroughly.

Preparation of the substrate

- No pre-treatment is necessary for clean and dry coats that can be recoated.
- Touch up small cracks, holes or unevenness using a suitable facade wood filler. Hairline cracks do not need to be touched up.
- Refurbish cracks up to the plaster substrate with a permanently elastic coating system.
- Treat infestation or attack by algae, moss or fungus with ADLER Fungisan 90783 (compare with the data sheet).
- Remove dispersion paints or synthetic resin plasters that cannot be recoated with ADLER Abbeizer 95125 and high-pressure cleaner.

Plasters of the mortar groups P II and P III

Allow new plaster application to remain untreated for three to four weeks. Re-plastered patches must be set well and dried up and, if required, seal them with fluosilicate.

Concrete surfaces

Clean concrete surfaces with dirt deposits, separating agents or powder layers mechanically or with the help of pressurised water jets (in compliance with statutory regulations). On coarsely porous and slightly sanding or absorbent surfaces, apply a primer coat with ADLER Silikon GWK 40332, 1:1 with water. On powdery surfaces a primer coat of ADLER Tiefgrund LM 40944.

Recoatable dispersion paint coatings:

Roughen up glossy surfaces and paint coatings. Clean dirty and chalky old coats using pressurised water jets in compliance with the statutory regulations.

Recoatable synthetic resin - or silicone resin plaster coatings:

Clean old plasters using suitable methods. If using a wet cleaning method, allow the surfaces to dry up completely before further treatment.

Salt efflorescence

Brush off the surface until it is dry and apply a primer coat with ADLER Tiefgrund LM 40944.

No warranty can be provided for permanent adhesion of the coating or prevention of salt efflorescence when coating surfaces having salt efflorescence.

Please follow the respective technical data sheets of the products.

COATING SYSTEM**Primer**

Pre-treat with ADLER Silikon GWK 40332, 1:1 diluted with water, for solidification, equalization, adherence promoter and better water repellency of absorbent, sanding or slightly chalky substrates

Optionally, precoat twice wet-on-wet with ADLER Silikon GWK 40332, 1:1 diluted with water, on strongly absorbent and sanding plaster bases.

Primer coat Apply ADLER Tirosil-Color 40466 ff thinned with max. 10 % water depending on the substrate and processing method.

Final coat Apply ADLER Tirosil-Color 40466 ff undiluted or thinned with maximum 5 % water.

NOTES ON ORDERING

Container sizes 1 l, 3 l, 9 l, 15 l - vibration-proof plastic containers

Colour shades / Degree of gloss

Color4You 

Wei (White) W10 40466

Other colour shades can be blended using the **ADLER colour blending system** (Color4you). Base paints:

Wei (White) W10 40466

Base W20 40467

Base W30 40468

- In order to ensure uniformity of colour, use 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.
- Constrained by the system, lustrous and intensive colour shades have lower covering power under certain circumstances. Hence, it is recommended to apply a preliminary coat of a comparable, white-based pastel colour shade with these colour shades.
- In case of dark colour shades, mechanical stress may lead to bright stripes (writing effect). This is a product-specific characteristic of all matt facade paints.
- The reference value of brightness should be greater than 30 when coating with WDVS systems.

Supplementary products

ADLER Silikon GWK 40332

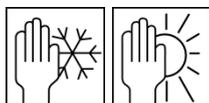
ADLER Fungisan 90783

ADLER Tiefgrund LM 40944

ADLER Abbeizer Rote Krhe 95125

OTHER INSTRUCTIONS

Storage stability / Storage



At least 1 year in the original sealed containers.

Store it such that it is protected from moisture, direct sunlight, frost and high temperatures (above 30°C).

Product code for paints and varnishes

M-DF02F

Technical Specifications

VOC content EU limit value for ADLER Tirosil-Color (Cat. A/C): 40 gm/l (2010). ADLER Tirosil-Color contains < 1 gm/l VOC.

Safety-relevant information



Please follow the associated safety data sheet! The latest version can be retrieved from the Internet at **www.adler-lacke.com**.

Recycle only those containers whose residues have been emptied out. You may dispose of liquid material residues as water-based paint and varnish waste and dried-up material residues as cured paints or as household garbage.