

# ADLER Tirokat-Color

40311 ff

High-quality mineral silicate facade paint for DIY and the industry

## PRODUCT DESCRIPTION

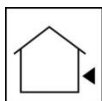
### General

Mineral, water-based facade paint with a silicate base for water-resistant coats in accordance with DIN 18363. A composition is formed with the substrate (silicification). The product has excellent permeability to water vapour ( $s_d$  value) with very good water-proof property.

### Special Properties Testing Standards

- Environment-friendly and low-odour
  - Very good covering power
  - Not film-forming and low-stress
  - Non-combustible
  - Highly alkaline
  - Resistant to industrial waste gases
  - Characteristics in accordance with **DIN EN 1062**
- |  |   |                |
|--|---|----------------|
| Gloss:                                   | Matt  | G <sub>3</sub> |
| Dry film thickness:                      | 100 – 200 µm  | E <sub>3</sub> |
| Maximum grain size:                      | < 100 µm  | S <sub>1</sub> |
| Permeable to water vapour ( $s_d$ value) | < 0.14 (high)   | V <sub>1</sub> |
| Water permeability (w value)             | > 0.1 - ≤ 0.5 [kg/(m <sup>2</sup> ×h <sup>0.5</sup> )] (mean) | W <sub>2</sub> |

### Areas of application



High-class facade coating for

- mineral substrates (e.g.: lime, lime cement and cement plaster, natural stone, lime sand brick and brick masonry)
- Adherent mineral old coats
- **Not suitable for emulsion and silicon resin coats.**

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, extremely high atmospheric humidity, strong wind 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).

07-14 (supersedes 09-12) ZKL 4027

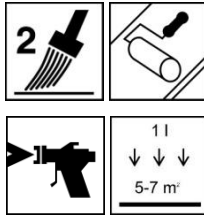
b.w.

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Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The purchaser / user decides about the acceptance and use of the delivered product at his / her own risk, which is why we recommend that a sample piece be prepared to check the acceptability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for modification of the container sizes, colour shades and degree of gloss.

- Cover glass, ceramic, natural stones, bricks (clinker), metal and painted surfaces well, and remove splashes of paint 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)	*)		
Thinner amount added in %	Approx. 5 - 10%		
Consumption ml/m <sup>2</sup>	Approx. 180		
Yield per application (m <sup>2</sup> /l) <sup>1)</sup>	5 – 7		Approx. 5
<sup>1)</sup> Yield including addition of thinner and loss while spraying			

\*) Only with ADLER Silikat GWK 40331, diluted 1:1 with water.

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 recoated	after approx. 12 hours
Rainproof	after approx. 24 hours

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 paint splashes with water immediately.

## SUBSTRATE

### Type of substrate

Mineral substrates (plaster, concrete), adherent, mineral facade coats of paint

### 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 and follow 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.
- Pre-treat absorbent, crumbling or slightly chalky substrates with ADLER Silikat GWK 40331, diluted 1:1 with water, for hardening and equalizing them and giving them better silicification or processing properties. If required, apply two preliminary coats of ADLER Silikat GWK 40331, diluted 1:1 with water, using the wet-on-wet method, to highly absorbent and crumbling plaster substrates.
- Touch up small cracks, holes or unevenness using a suitable facade wood filler.
- 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.
- Remove emulsion paints with the help of ADLER Abbeizer 90125 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.

Please observe and follow the data sheets of the respective products.

## COATING SYSTEM

### Primer coat

ADLER Tirokat-Color 40311 ff  
Depending on the absorption of the substrate and for better substrate silicification add max. 10 % ADLER Silikat GWK 40331, diluted 1:1 with water.

### Final coat

ADLER Tirokat-Color 40311 ff  
Depending on the absorption of the substrate and for better substrate silicification add max. 5 % ADLER Silikat GWK 40331, diluted 1:1 with water.

## NOTES ON ORDERING

### Container sizes

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

### Colour shades / Degree of gloss

**Color4You** 

Weiß (White) W10 40311

Other colour shades can be obtained using the **ADLER colour blending system** (Color4you).

### Base paints:

Weiß (White) W10 40311

Base W20 40345

- 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.
- 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.

- Based on the system, in the case of stained mineral paints ensure that it is used quickly in order to prevent variations in colour shade with overlapping coats. If applying refurbishment coats subsequently, variations in the colour shade cannot be avoided.

### Supplementary products

ADLER Silikat GWK 40331  
ADLER Fungisan 90783  
ADLER Abbeizer 95125

## OTHER INSTRUCTIONS

### Storage stability / Storage



At least 1 year in the original sealed containers.

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

### Product code for paints and varnishes

M-SK01

### Technical Specifications

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



Please follow the associated safety data sheet! The latest version can be retrieved from the Internet at [www.adler-lacke.com](http://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.

ADLER Tirokat-Color 40311 ff is highly alkaline. Protect the eyes and skin from splashes of paint.

Please take note of and follow the safety data sheet!