**Aviva Tirosilc-Color  4086000010 ff**

Universal facade paint based on silicon resin and pure acrylate with preventive film protection against algae and fungus for DIY and professional use

---

### PRODUCT DESCRIPTION

**General**

Low-odor, 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-resistance with increased protection against driving rain \( (w) \ value). Excellent weather-resistance as well as excellent colour stability with a wide range of colour shades. No peel off.

<table>
<thead>
<tr>
<th>Special properties and standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Resistant to industrial waste gases</td>
</tr>
<tr>
<td>• The coating is protected against algae and fungal decay thanks to a biocidal active substance, which protects the material from the decay in a long term but with time limit. The duration of the effectiveness depends on the surface conditions, e.g. the intense of the decay and humidity stress. Therefore a permanent prevention of algae and fungal decay is not possible.</td>
</tr>
</tbody>
</table>

**Active Substances:**

- 0.0008 % (0.0008 g / 100 g) Terbutryn
- 0.00045 % (0.00045 g / 100 g) Zinkpyrithon
- 0.00045 % (0.00045 g / 100 g) Octyl-Isothiazolinon

- Persistence of the color according to BFS-Merkblatt Nr. 26
  - Class A
  - Group 1 – 3 (depending on the colour, pigment type 1)

- 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 \( < 0.14 \) (high) \( V_1 \)
  - Water permeability \( (w) \ value) \( < 0.1 \) \( [kg/(m²×h^{0.5})] \) \( W_3 \)

- Facade surfaces exposed to moisture more than usual because of certain object conditions or natural weathering have a higher risk of fungus and algae formation.
Application area

- Premium facade paint for
  - mineral substrates (e.g. chalk-, chalk cement- and cement plaster, natural stone, sand-lime, brick masonry)
  - adhesive old coats with old fabrics
  - rough, spray and resin plasters
  - upgraded insulation (WDVS)
- Not suitable for horizontal surfaces exposed to water!

PROCESSING

Instructions for use

- Please stir the product before use.
- Do not apply if temperatures are below 5 °C and/or relative humidity > 80%.
- Do not process in conditions of direct sunlight, rain, extremely high humidity, heavy wind or pending frost. Cover those surfaces well that are not to be treated.
- To avoid crusts apply the coat in one go wet-on-wet.
- Signs of touch-up work in the surface depend on several factors and hence, cannot be avoided (BFS data sheet 25).

Application technique

<table>
<thead>
<tr>
<th>Application method</th>
<th>Brushing</th>
<th>Rolling</th>
<th>Airless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spraying nozzle (ø mm)</td>
<td>-</td>
<td>-</td>
<td>0,53 – 0,63</td>
</tr>
<tr>
<td>Spraying nozzle (ø inch)</td>
<td>-</td>
<td>-</td>
<td>0,021 – 0,026</td>
</tr>
<tr>
<td>Spraying angle (Degrees)</td>
<td>-</td>
<td>-</td>
<td>50</td>
</tr>
<tr>
<td>Spraying pressure (bar)</td>
<td>-</td>
<td>-</td>
<td>150 - 180</td>
</tr>
<tr>
<td>Fine strainer</td>
<td>-</td>
<td>-</td>
<td>0,2 mm</td>
</tr>
<tr>
<td>Dilution (thinning)</td>
<td>-</td>
<td>-</td>
<td>water</td>
</tr>
<tr>
<td>Thinner amount added in %</td>
<td>-</td>
<td>-</td>
<td>max. 10%</td>
</tr>
<tr>
<td>Consumption ml/m²</td>
<td>125 – 170</td>
<td>approx. 170</td>
<td></td>
</tr>
<tr>
<td>Yield per application (m²/l)</td>
<td>6 – 8</td>
<td>approx. 6</td>
<td></td>
</tr>
</tbody>
</table>

1) Yield including addition of thinner and loss while spraying

Drying times

(at 23 °C and 50 % rel. humidity)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recoatable</td>
<td>after approx. 4 h</td>
<td></td>
</tr>
<tr>
<td>Rainproof</td>
<td>after approx. 24 h</td>
<td></td>
</tr>
</tbody>
</table>

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.
| Cleaning the working equipment | With soap water immediately after use.  
|                                  | To remove dried paint residues we recommend using ADLER Abbeizer Rote Krähe (Red Crow) 95125.  
|                                  | Remove paint splashes immediately with water. |

### SUBSTRATE

<table>
<thead>
<tr>
<th>Type of substrate</th>
<th>Mineral substrates (plasters, concrete), synthetic resin plasters, well-adhesive, matt facade paints, WDV systems.</th>
</tr>
</thead>
</table>

| Substrate property (or condition) | 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.  
|                                   | 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

- Pre-treat absorbent or slightly chalky substrates with Aviva Silikon GKW 4082000210, diluted 1:1 with water for hardening, equalizing, adhesion promotion and better water resistance.  
  If required, apply on highly absorbent and sanded plaster substrates two preliminary coats of Aviva Silikon GKW 4082000210 by brush, diluted 1:1 with water, using the wet-on-wet method.  
- 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 Aviva Fungisan 8308000210.  
- Remove dispersion paints or synthetic resin plasters that cannot be recoated with ADLER Abbeizer Rote Krähe 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.  
Remove sinter layer, which is recognized by a shiny appearance, by etching with an etchant, rewash.  
Apply a primer coat using Aviva Silikon GKW 4082000210, diluted 1:1 with water.

#### Concrete surfaces

Remove dirt deposits, separating agents or powder layers through mechanical cleaning or pressurised water jets (in compliance with statutory regulations). Coarsely porous and slightly sanding or absorbent surfaces, apply a primer coat using Aviva Tiefengrund LM 4080000200.

#### 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 mineral coatings
Clean by using suitable methods. If using a wet cleaning method, allow the surfaces to dry up completely before further treatment. Apply a primer coat using Aviva Silikon GKW 4082000210, diluted 1:1 with water.

Recoatable synthetic resin - or silicone resin plaster coatings:
Clean old plaster by 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 using Aviva Tiefengrund LM 408000200. No warranty can be provided for permanent adhesion of the coating or prevention of salt efflorescence when coating surfaces having salt efflorescence.

Please observe the relative technical data sheets of the products.

### COATING SYSTEM

| **Primer coat** | Aviva Silikon GKW 4082000210, diluted 1:1 with water  
See substrate preparation.  
Please observe the relative technical data sheets of the products. |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intermediate coat</strong></td>
<td>Aviva Tirosilc-Color 4086000010 ff diluted with max. 10 % water depending on the substrate and processing method.</td>
</tr>
<tr>
<td><strong>Finishing coat</strong></td>
<td>Aviva Tirosilc-Color 4086000010 ff without thinning or diluted with max. 5 % water.</td>
</tr>
</tbody>
</table>

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th><strong>Size of trading unit</strong></th>
<th>1 l, 3 l, 9 l, 15 l</th>
</tr>
</thead>
</table>

**Colour / degree of gloss**
Weiß (White) W10 4086000010
Other colour shades can be obtained using the ADLER colour blending system Color4you.

Base Weiß W10 4086000010  
Base W20 4086000020  
Base W30 4086000030

- 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 higher than 30 when coating with WDVS systems.
**Supplementary products**

Aviva Silikon GKW 4082000210  
Aviva Fungisan 8308000210  
Aviva Tiefengrund LM 4080000200  
ADLER Abbeizer Rote Krähe 95125

---

**FURTHER DETAILS**

**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).

---

**Product code for paints and varnishes**

M-SF01F

---

**Technical specifications**

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

---

**Safety-relevant information**

Please pay attention to the associated safety data sheet. The current version can be accessed on 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.