

## Aviva Tirosilc-Color

4086

Silicone resin pure acrylate façade paint for professional use

### PRODUCT DESCRIPTION

#### General

Water-based façade paint based on a special hybrid binder technology with a pronounced mineral character and preventive film protection against algae and fungi. The product is characterised by excellent water-vapour permeability (sd value), outstanding water resistance with increased protection against driving rain (w value), very good opacity, excellent colour retention with a wide range of colour shades, very good workability, reduced dirt adhesion and outstanding weather resistance. Resistant to industrial exhaust gases.

#### Special properties and standards



- The coating is protected against algae and fungal growth by a biocidal active ingredient. This provides the material with long-lasting but temporary protection against infestation. The duration of effectiveness depends on the conditions of the object, such as the severity of infestation and the level of moisture. It is therefore not possible to permanently prevent algae and fungal growth.

#### Active ingredients:

0.8 g/kg 0.08 % Terbutryn  
0.45 g/kg 0.045 % Zinc pyrithione  
0.45 g/kg 0.045 % 2-octyl-2H-isothiazol-3-one

- Colour fastness as per BFS data sheet no. 26**  
**Class A**  
**Group 1-3** (depending on colour)
- French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

- Characteristics according to **DIN EN 1062:**

|                                       |                                                      |                |
|---------------------------------------|------------------------------------------------------|----------------|
| Gloss level:                          | matt                                                 | G <sub>3</sub> |
| Dry film thickness:                   | 100 - 200 µm                                         | E <sub>3</sub> |
| Max. grain size:                      | < 100 µm                                             | S <sub>1</sub> |
| Water-vapour permeability (sd value): | < 0.14 (high)                                        | V <sub>1</sub> |
| Water absorption (w-value):           | < 0.1 [kg/(m <sup>2</sup> ×h <sup>0.5</sup> )] (low) | W <sub>3</sub> |

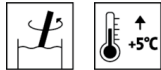
- With facade surfaces that are exposed to higher-than-normal moisture loads due to site-specific conditions or natural weathering, there is an increased risk of mould and algal growth.

**Application area**

High-quality façade coating for mineral substrates (e.g. lime renders, lime-cement and cement renders, natural stone, sand-lime brick, brick masonry).

Renovation on firmly adhering silicone resin paints, silicate paints and matt emulsion paints.

Intact external thermal insulation composite systems (ETICS).

**PROCESSING****Processing instructions**

- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Do not process it under conditions of intense sunlight, rain, extremely high humidity, strong wind or pending frost.
- Be sure to cover any surfaces that are not being treated. Remove paint splashes immediately with water.
- To avoid crusts apply the coat at one stroke using the wet-on-wet method.
- Signs of touch-up work on the surface depend on several factors and hence, cannot be avoided (BFS data sheet 25).
- Observe BFS Information Sheet No.9 in accordance with coatings on mineral exterior render.
- If the coating material is excessively thinned, the properties of the coating (e.g. coverage, colour, durability) may be impaired.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- When applying, ensure even application and distribution of the coating material in order to achieve the required thickness for effective protection.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.

**Application technique**

|                                                 | Airless       | Brushing | Rolling |
|-------------------------------------------------|---------------|----------|---------|
| <b>Spraying nozzle Ø (mm)</b>                   | 0,53 - 0,63   | -        | -       |
| <b>Spray nozzle (Ø inch)</b>                    | 0,021 - 0,026 | -        | -       |
| <b>Nozzle angle (°)</b>                         | 50            | -        | -       |
| <b>Spraying pressure (bar)</b>                  | 150 - 180     | -        | -       |
| <b>Fine strainer (µm)</b>                       | 200           | -        | -       |
| <b>Diluent</b>                                  | Water         |          |         |
| <b>Diluent amount added (%)</b>                 | 0 - 10        |          |         |
| <b>Applied quantity per application (ml/m²)</b> | 125 - 170     |          |         |
| <b>Yield per application (m²/l)</b>             | -             | 6 - 8    |         |

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

**Drying times**

(at 23 °C and 50 % rel. humidity)



|              |                    |
|--------------|--------------------|
| Recoat after | approx. 4 hour(s)  |
| Rainproof    | approx. 24 hour(s) |

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!

**Cleaning the working  
equipment**


With soap-water immediately after use.

To remove dried product residues we recommend using Clean Abbeizer-Express (8313).

## SUBSTRATE

**Type of substrate**

Mineral plasters, firmly adhering mineral façade coatings.  
External thermal insulation composite systems (ETICS)

**Substrate property**

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, etc. and free from dust, as well as tested for suitability for coating.

Please observe the additional documents:

- ÖNORM B 2230-2
- DIN 18363
- ÖNORM B 3430-1
- Current BFS information sheets

**Substrate preparation**

Pre-treat absorbent or slightly chalky substrates for consolidation, equalisation and adhesion promotion with Aviva Silikon Grundierung (4082), diluted 1:1 with water. If necessary, apply two wet-on-wet coats of Aviva Silikon Grundierung (4082), diluted 1:1 with water, to highly absorbent and sandy render substrates.

Touch up small cracks, holes or unevenness using a suitable filler.

Renovate cracks down to the plaster substrate using a permanently elastic coating system.

Treat algae, green deposits or mould in outdoor areas with Aviva Fungisan (8308).

Use Clean Abbeizer-Express (8313) and a high-pressure cleaner to remove any load-bearing dispersion paints or synthetic resin plasters.

**Plasters in mortar groups P II and P III:**

Allow new plaster application to remain untreated for 3 to 4 weeks. Re-plastered patches must be set well and dried up. If necessary, treat with fluosilicate. Grind off any sintered coat remaining. Primer coat with Aviva Silikon Grundierung (4082) diluted 1:1 with water.

**Stable mineral coatings**

Clean old plaster by using suitable methods. If using a wet cleaning method, allow the surfaces to dry up completely before further treatment. Primer coat with Aviva Silikon Grundierung (4082) diluted 1:1 with water.

**Load-bearing dispersion coatings**

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

#### 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). For highly or unevenly absorbent substrates, prime with Aviva Silikon Grundierung (4082), diluted 1:1 with water. On coarse-porous, sandy surfaces, apply a base coat with Aviva Tiefengrund LM (4080).

#### Sound synthetic resin or silicone resin render coatings

Clean old plaster by using suitable methods. If using a wet cleaning method, allow the surfaces to dry up completely before further treatment. Primer coat with Aviva Silikon Grundierung (4082) diluted 1:1 with water.

#### Salt efflorescence

Brush while dry and then prime with Aviva Tiefengrund LM (4080). No warranty can be provided for permanent adhesion of the coating or prevention of salt efflorescence when coating surfaces having salt efflorescence.

#### Old coatings:

Remove old coatings that cannot be recoated.

### COATING SYSTEM

|                          |                                                                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Primer coat</b>       | See substrate preparation                                                                                                                                    |
| <b>Intermediate coat</b> | 1 x Aviva Tirosilc-Color (4086)<br>Aviva Tirosilc-Color (4086) thinned with up to max. 10 % water, depending on the method of application and the substrate. |
| <b>Finishing coat</b>    | 1 x Aviva Tirosilc-Color (4086)<br>Aviva Tirosilc-Color (4086) undiluted or thinned with up to max. 5 % water.                                               |

### ORDERING INFORMATION

|                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Size of trading unit</b>                                                                          | 1 l, 3 l, 9 l, 15 l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Colour shades / Glosslevels</b>                                                                   | <b>Standard colour(s):</b><br>W10 Weiß, tönbar (4086000010)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Color4You </b> | Colour shades can be obtained using the <b>ADLER colour mixing system Color4you</b> .<br><b>Base paint(s):</b><br>Aviva Tirosilc-Color W10 Weiß, tönbar (4086000010)<br>Aviva Tirosilc-Color Basis W20 (4086000020)<br>Aviva Tirosilc-Color Basis W30 (4086000030)<br><br>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.<br><br>In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.<br><br>Depending on the system, brilliant and intensive color shades may have a lower covering power. Hence, it is recommended to apply a preliminary coat of a comparable, opaque and pastel colour shade based on W15.<br><br>Due to the system, when using coloured mineral paints, care should be taken that they are processed quickly in order to prevent colour differences when the paintwork overlaps. |

In case of dark colour shades, mechanical stress may lead to bright stripes (writing effect). This is a product-specific characteristic of all matt façade paints.

If applying subsequent corrective coats of paint, colour differences are unavoidable.

For coatings on external thermal insulation composite systems (ETICS), the light reflectance value should be greater than 30.

For the best possible colour stability in the specified binder class according to BFS Information Sheet No. 26, we recommend the colour shades marked A1 from the colour charts Edition 21-Colour 1200 or Edition 21-Outdoor Base.

Please consume blended products within 12 months.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

### Supplementary products

Clean Abbeizer-Express (8313)  
Aviva Fungisan (8308)  
Aviva Silikon Grundierung (4082)  
Aviva Tiefengrund LM (4080)

Please refer to the corresponding technical data sheets of the products.

## FURTHER DETAILS

### Durability / storage



Min. 2 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

### Declaration of ingredients according to VdL-RL 01

Silicone resin emulsion / inorganic white and coloured pigments / organic pigments / mineral agents / water / interface additives / rheology additives / surface additive / Film protectant / in-can preservation agents

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-octyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (MIT). May cause allergic reactions.

**Information for allergy sufferers available at Tel. +43 5242 6922-713.**

### Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Aviva Tirosilc-Color (Cat A/c): 40 g/l.  
Aviva Tirosilc-Color contains a maximum of 0 g/l VOC.

### Giscode

BSW50

### Safety information



The usual protective measures must also be observed when processing low-pollutant products.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

Do not allow to enter drains, water courses or soil.

Only dispose of empty containers for recycling, liquid material residues can be disposed of as water-based paint waste, dried material residues as hardened paint or as household waste.

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**.