

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 (sd 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 peeling off.

Special properties and standards

- Resistant to industrial emissions
- The coating is protected against algae and fungal decay by 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 intensity of the decay and humidity stress. Therefore a permanent prevention of algae and fungal decay is not possible.

Active Substances:
 0,8 g/kg (0,08%) terbutryn
 0,45 g / kg (0,045 %) zinc pyrithone
 0,45 g / kg (0,045 %) octyl-isothiazolinone
- **Colour resistance according to BFS data sheet no. 26**
 Class A
 Group 1 - 3 (depending on colour, pigment type 1)
- Characteristics in accordance with **DIN EN 1062**

Gloss:	matt	G ₃
Dry film thickness:	100 - 200 µm	E ₃
max. grit size:	< 100 µm	S ₁
Water-vapour permeability (sd value)	< 0.14 (high)	V ₁
Water-vapour permeability (w value)	< 0.1 [kg/(m ² ·h0.5)] (low)	W ₃
- In case of façade surfaces that are exposed to moisture more than usual as a result of natural impact of weathering or under special conditions of the object, there is an increased risk of formation of fungus and algae.

Application areas



- Universal façade coating for
 - mineral substrates (e.g.: lime, lime cement and cement plaster, natural stone, sand-lime, brickwork)-
 - adherent old coats on old structures,
 - rough-, spray-on-, and synthetic resin plasters,
 - full thermal insulation (WDVS).
- Not suitable for horizontal surfaces with a permanent exposure to water.

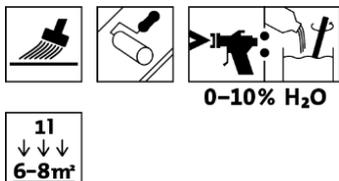
PROCESSING

Instructions for use



- 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. Cover those surfaces well that are not to be treated.
- 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).
- Remove paint splashes immediately with water.

Application technique



Application method	Brushing	Rolling	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 %	-	-	0 - 10 %
Consumption ml/m ²	125 – 170		approx. 170
Yield per application (m ² /l) ¹⁾	6 – 8		approx. 6
¹⁾ Yield including addition of thinner and loss while spraying			

The shape, the properties and moisture 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)



Recoatable	After approx. 4 hours
Rainproof	After approx. 24 hours

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 (very quick drying).

Cleaning the working equipment

With soap-water immediately after use.

To remove dried paint residues, we recommend using ADLER Abbeizer Express 8313000300.

SUBSTRATE**Type of substrate**

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

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 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

- Pre-treat absorbent or slightly chalky substrates with Aviva Silikon Grundierung 4082000200, diluted 1:1 with water for hardening, equalizing, adhesion promotion and better water resistance.
In case of highly absorbent and sandy plaster substrates, if necessary apply two preliminary coats using Aviva Silikon Grundierung 4082000200, diluted 1:1 with water, using the wet-on-wet method.
- Touch up small cracks, holes or unevenness using a suitable filling material. Hairline cracks do not have to be touched up.
- Refurbish cracks up to the plaster substrate with a permanently elastic coating system.
- Treat outdoor infestation or attack by algae, green covering or mold with Aviva Fungisan 8308000210.
- Remove dispersion paints or synthetic resin plasters that cannot be recoated with ADLER Abbeizer Express 8313000300 and high-pressure cleaner.

Plasters in 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. If necessary, treat with fluosilicate.

Remove sinter layer, which is recognized by a shiny appearance, by etching with an etchant and rewash.

Apply a primer coat using Aviva Silikon Grundierung 4082000200, diluted 1:1 with water.

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 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 for example, allow the surfaces to dry up completely before further treatment.

Apply a primer coat using Aviva Silikon Grundierung 4082000200, 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 until it is dry and apply a primer coat using Aviva Tiefengrund LM 4080000200.

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 Grundierung 4082000200, diluted 1:1 with water.
See substrate preparation

Please observe the relative technical data sheets of the products.

Intermediate coat

Aviva Tirosilc-Color 4086000010 thinned max. 10 % with water depending on processing method and substrate.

Finishing coat

Aviva Tirosilc-Color 4086000010 unthinned or thinned up to 5 % with water.

ORDERING INFORMATION**Size of trading unit**

1 l, 3 l, 9 l, 15 l

Colour shades / degrees of gloss**Color4You** 

White W10 4086000010

Other colour shades can be obtained using the **ADLER colour mixing system Color4You**.

Base Weiß/white W10	4086000010
Base W20	4086000020
Base W30	4086000030

- In order to ensure uniformity of the colour shade, use only 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, opaque 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 façade paints.
- The reference value of brightness should be higher than 30 when coating with WDVS systems.

Supplementary products

Aviva Silikon Grundierung 4082000200
 Aviva Fungisan 8308000210
 Aviva Tiefengrund LM 4080000200
 ADLER Abbeizer Express 83130003000

FURTHER DETAILS**Durability / storage**

At least 2 years in the original sealed containers.

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

GISCODE

BSW50

Technical specifications

VOC content	EU threshold for Aviva Tirosilc-Color A/C): 40 g/l (2010). Aviva Tirosilc-Color contains < 1 g/l VOC.
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Safety-related information

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.

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.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).