

## Evoshine 201



100% pure acrylate facade paint, water-dilutable, silk matt, with photocatalytic effect, highly weather-resistant, soiling-resistant due to Evoflex technology, for exterior use



Color System  
Basecode

### Field of application

For weather-resistant and long-lasting facade coatings on all vertical, load-bearing, mineral substrates, e.g. exterior plaster, concrete, fiber cement, intact emulsion paint coats and organically bound renders, also in the Brillux ETIC System with EPS hard foam insulation boards. Can also be used as a facade coating on coil coating, hard PVC, zinc and aluminum. On surfaces with persistent high moisture exposure (depending on location and construction) and on highly heat-insulated facades there is a risk of algal and fungal infestation. For such surfaces we recommend using Evoshine 201 in "Protect quality" (for further information, refer to Notes).

### Properties

- 100% pure acrylate facade paint
- highly weather-resistant
- low tendency to soil due to Evoflex technology
- low sensitivity to marking (reduced writing effect)
- durable
- very good adhesion characteristics
- very large color shade variety
- high color fastness
- carbonization-inhibiting
- great degree of protection against aggressive air pollutants
- water-vapor-permeable
- easy to apply
- crack-bridging
- flexible at low temperatures
- Tested as a coating that inhibits harmful gases against CO<sub>2</sub> in accordance with DIN 1062-6 according to the test certificate
- optionally available in Protect quality (film protection against an algal and fungal infestation of the coating)
- available in the SolReflex system with a special TSR formula ("Total Solar Reflectance")

## Material description

<b>Color shades</b>	0095 white A number of additional color shades can be mixed with the Brillux Color System, even with the TSR formula.
<b>Color fastness</b>	Fb code A1–3, depending on color shade, according to BFS Leaflet no. 26.
<b>Base material</b>	Pure acrylate copolymer
<b>Density</b>	Approx. 1.3 g/cm <sup>3</sup>
<b>Classified in accordance with DIN EN 1062</b>	S1 Grain size fine E3 Dry film thickness > 100 to ≤ 200 µm, depending on system build-up. G3 Degree of gloss matt (optically silk matt surface) C1 Carbon dioxide permeability $s_d$ (CO <sub>2</sub> ) > 50 m V2 Medium water-vapor permeable, $s_d$ (H <sub>2</sub> O) approx. 0.5 m according to DIN EN ISO 7783. W3 Low water permeability, w-rate < 0.03 kg/(m <sup>2</sup> ·h <sup>0.5</sup> )
<b>Packaging</b>	0095 white: 2.5 l, 10 l, 15 l Color System: 1 l, 2.5 l, 10 l, 15 l

## Use

<b>Thinning</b>	If necessary, dilute with up to 5% water.
<b>Tinting</b>	Full Color and Tinting Paint 951. Colors mixed with a TSR formula may not be subsequently changed.
<b>Compatibility</b>	Can only be mixed with materials of the same type and those specified in this data sheet.
<b>Application</b>	Evoshine 201 can be applied by using a brush, roller and airless spray application. Optimal results are achieved with high efficiency through the use of low-overspray airless spraying. For more information, refer to information leaflet 2ns2. (Observe information about “Protect quality”).
<b>Consumption</b>	Approx. 140 to 170 ml/m <sup>2</sup> per coat on smooth substrates. As a crack-bridging coating system, a total consumption of at least 500 ml/m <sup>2</sup> is required. For rough surfaces, the consumption increases accordingly. Determine the exact consumption by means of a test application on the object to be coated.
<b>Application temperature</b>	Do not apply if air or object temperature is below +5°C.
<b>Tool cleaning</b>	Clean tools with water immediately after use.

## Use

### Spray data

Spray system	Nozzle	Spray angle	Pressure	Thinning
Powerful Airless system	0.021–0.027 inch	40°–80°	150 bar	approx. 5-10 %

### Spray data for low-overspray airless spraying

Spray system	Nozzle	Spray angle	Banking-up pressure	Spray pressure	Thinning	
					With heating hose	Without heating hose
Powerful Airless system	0.027 inch	40°	approx. 150–200 bar	approx. 100–130 bar	Unthinned, if necessary, up to 5%	5%

Further information and order details for accessories are summarized in the “Low-overspray airless spraying 2ns2” info sheet.

### Drying (+20°C, 65% relative humidity)

Recoat after approx. 12 hours.  
Allow for longer drying time if the temperature is lower and/or the humidity is higher.

### Storage

Store in a cool and frost-free place. Reseal opened containers tightly.

### Declaration

**Notes** Contains preservatives.  
Do not inhale spray mist.

**Product code** BSW20  
Comply with the specifications in the current safety data sheet.

### Coating build-up

- Substrate preparation**
- The substrate must be solid, dry, clean, load-bearing and free from efflorescence, sinter layers, separating agents, corrosion-promoting components or other intermediate layers affecting the adhesion.
  - Remove fine-grained layers on concrete surfaces mechanically or by means of pressure washing.
  - Check the suitability, load-bearing capacity and adhesive properties of existing coatings.
  - Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations.
  - Sand down and clean smooth and dense substrates.
  - Clean surfaces infested with fungi and algae thoroughly, then treat them with Universal Disinfectant 542\* (\* Use biocides carefully. Always read the label and product information before use.).
  - Treat replastered areas with a fluorine primer; if the subsequent paint coat is to be tinted, prime the entire surface.
  - See also VOB Part C, DIN 18363, Section 3

Facade coating with Evoshine 201

Substrates <sup>1)</sup>	Prime coat	Intermediate coat	Top coat
normally absorbent substrates, e.g. exterior plaster <sup>2)</sup>	Depending on the individual requirements, Priming Concentrate 938 which has been diluted by 1 part : 4 parts, Lacryl Deep Penetrating Primer 595 or Lacryl Hydro-Gel 695	Evoshine 201 or, if filling and crack-filling properties are required, Facade Brush-on Filler 444	Evoshine 201
highly absorbent substrates, e.g. exterior plaster <sup>2)</sup>	Depending on the individual requirements Lacryl Deep Penetrating Primer 595 or Deep Penetrating Primer 545		
Intact organic coatings, e.g. emulsion paint coats, synthetic resin renders, polymerization resin coatings	If necessary, Adhesion Primer 3720 <sup>4)</sup>	Evoshine 201 <sup>8)</sup>	
New, untreated organically bound renders, e.g. Rausan			
Intact Glasal® or Fulgural® boards <sup>5)</sup>			
Untreated, asbestos-free fiber cement panels and cement-bonded particle board <sup>6)</sup>	2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864		
Coil coating, hard PVC, zinc and aluminum	If necessary, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864 <sup>7)</sup>		

1) For coating asbestos cement claddings, comply with instructions given in the “Coating Systems for Asbestos Facade Cladding 2asb” data sheet.

2) Minimum compressive strength > 1.5 N/mm<sup>2</sup> (compressive strength category CS II, CS III)

3) In the case of dense, non- or slightly absorptive concrete, e.g. pre-fabricated concrete parts, apply a test sample using Adhesion Primer 3720, if necessary..

4) Pretreat defects prior to the prime coat with Deep Penetrating Primer 545 or Lacryl Deep Penetrating Primer 595.

5) Glasal® and Fulgural® are registered trademarks of Eternit AG and Fulgurit Baustoffe GmbH.

6) Apply generous amounts of the priming coat on all sides including the interface covered.

7) Without a prime coat, cleaning with e.g. Universal Cleaner 1032 and a nonwoven abrasive as well as a test application with a subsequent adhesion test are absolutely essential.

8) For system build-up on zinc and aluminum without prime coat, a double (and thus additional) intermediate coat is absolutely essential.

**Crack-bridging facade coating with Evoshine 201, only for hairline cracks**

Substrates <sup>1) 2)</sup>	Prime coat	Filling intermediate coat	Intermediate coat	Top coat
normally absorbent substrates, e.g. exterior plaster <sup>3)</sup>	Depending on the individual requirements, Priming Concentrate 938 which has been diluted by 1 part : 4 parts, Lacryl Deep Penetrating Primer 595 or Lacryl Hydro-Gel 695	If necessary, use Reinforcement Adhesive 480 or Concrete Elastic Filler 793	Evoshine 201	1–2x Evoshine 201
highly absorbent substrates, e.g. exterior plaster <sup>3)</sup> , concrete <sup>4)</sup>	Depending on the individual requirements Lacryl Deep Penetrating Primer 595 or Deep Penetrating Primer 545			
Intact organic coatings, e.g. emulsion paint coats, synthetic resin renders, polymerization resin coatings	If necessary, Adhesion Primer 3720 <sup>5)</sup>			

- 1) Depending on the quality of the substrate and the situation, cracks must be repaired according to the table “Crack types according to BFS Leaflet no. 19” (not necessary for hairline cracks). Follow the instructions in the Crack Stop Filler 376 and Reinforcement Adhesive 480 data sheets.
- 2) Filling of structural cracks may not be possible in every situation using painting methods, as they may be subject to extreme movements.
- 3) Minimum compressive strength > 1.5 N/mm<sup>2</sup> (compressive strength category CS II, CS III)
- 4) In the case of dense, non- or slightly absorptive concrete, e.g. pre-fabricated concrete parts, apply a test sample using Adhesion Primer 3720, if necessary..
- 5) Pretreat defects prior to the prime coat with Deep Penetrating Primer 545 or Lacryl Deep Penetrating Primer 595.

**Notes**

**Contiguous surfaces** Only use material from the same batch on a contiguous surface or mix the required material quantity.

**Touch-ups** Touch-ups to part of a surface are always visible. The degree to which they stand out depends on the situation on site. According to BFS Leaflet no. 25, Section 4.2.2.1, Paragraph e, this is unavoidable.

**New mineral substrates** Allow new mineral substrates, in particular plaster surfaces (limestone cement mortar and cement mortar), at least 4 weeks or to cure and dry properly before further coating. Depending on the weather and time of year, the drying process may take even longer.

**Lime efflorescence on concrete** There is a risk of lime efflorescence on concrete facade surfaces. Water penetration is prevented by an intact coating film, and this risk is minimized. To achieve an intact coating, existing pores, holes and honeycombing must be filled in advance by means of Concrete Pore Filler 782 for example.

**Colored ETICS coatings** Colored coats in the ETIC System with a light reflective value of ≥ 20 can be created without restrictions. If colors with a light reflective value < 20 are to be applied, observe the additional information under the note “SolReflex system with the TSR formula”.

<b>Designs with brilliant and intense color shades</b>	Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range have a low hiding power due to the nature of their pigments. When using critical color shades in these color ranges, we recommend applying a full-covering prime coat in the corresponding base color (Basecode). In addition to the standard coating buildup, additional coats may be required.
<b>SolReflex system with the TSR formula</b>	With the SolReflex System, even very dark color shades with a light reflective value < 20 can be applied to highly thermally insulated substrates. In this context, note the information on the information leaflet 5tsr "SolReflex". Products with TSR formula can exhibit slight color differences to standard goods. Only utilize materials of the same quality and production number on contiguous or adjacent areas, or areas arranged side by side.
<b>For asbestos cement cladding</b>	For application on asbestos cement cladding, comply with instructions given in the "Coating Systems for Asbestos Facade Cladding 2asb" data sheet.
<b>Protect quality</b>	Containers marked with "Protect" contain material that is optimized in the factory with film preservation against algal and fungal infestation. The material may only be used outdoors. The contained preservatives minimize and/or delay the risk of algal and fungal infestation. Material with film preservation must be applied in sufficient layer thicknesses. We recommend applying at least two coats. With the current state-of-the-art technical development, a permanent protection against algal and fungal infestation cannot be guaranteed. Spray application to vertical surfaces is possible when using low-overspray airless spraying. Do not inhale spray mist and always wear protective clothing
<b>Glossy streaks in the case of early exposure to moisture</b>	If the coat is exposed to moisture early after application (dew or rain), water-soluble protection colloids can be dissolved from the paint film and deposit on the coat surface (glossy stains). If such stains occur, do not immediately re-coat the surfaces. The water-soluble materials will be washed off by moisture (rain) again in the course of time. If the affected surfaces are to be re-coated immediately, the stains must be washed off thoroughly with water. To avoid this, only carry out the coating work when weather conditions are favorable.
<b>Structural protection</b>	Roof overhangs and adequately dimensioned covers prolong the service life of facade coatings. Missing drip edges or drip edges that are too close to each other (according to BFS Leaflet no. 9, Notes I) can lead to visible stains and soiling on facades, balustrades, etc. within a relatively short time.
<b>Further information</b>	Follow the instructions on the data sheets of the products used.

## Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

Brillux  
Weseler Straße 401  
48163 Münster  
GERMANY  
Phone +49 251 7188-0  
Fax +49 251 7188-105  
info@brillux.de  
www.brillux.com