Data Sheet

Evocryl 200

100% pure acrylate facade paint, water-dilutable, matt, photocatalytically active, highly weather-resistant, soiling-resistant due to Evoflex technology, for exterior use

Field of application

For highly weather-resistant and long-lasting facade coatings on all load-bearing mineral substrates, e.g., exterior plaster, concrete, fiber cement, intact emulsion paint coatings, and organically bound renders, also in the Brillux ETIC System. Also for particularly uniform coatings on smooth substrates. Additionally, it can also be used to renovate existing coatings, e.g., Coil Coatings. On surfaces exposed to persistent moisture (depending on the location and construction) as well as highly thermally insulated facades, there is a risk of algal and fungal attacks. For such surfaces we recommend using Evocryl 200 in "Protect Quality" (comply with the information in the notes).

Properties

- Pure acrylate facade paint
- Highly weather-resistant
- Low tendency to soil due to Evoflex technology
- Low odor
- Non-saponifiable
- Very large color shade variety
- High color stability
- With high protective function against aggressive air pollutants
- Water-vapor-permeable
- Easy to apply
- Optionally available in "Protect Quality" (film protection against an algal and fungal infestation on the coating)
- Can also be supplied in the SolReflex system with a special TSR formula (“Total Solar Reflectance”)

Material description

Standard color shades
0095 white
A number of additional color shades can be mixed using the Brillux Color System including the TSR formula.

Degree of gloss
Matt

Brillux ..more than paint

Material description

Base material	Pure acrylate copolymer
Density	Approx. 1.3 g/cm³
Diffusion-equivalent air layer thickness	s_d (CO_2) > 50 m
Color fastness	Category: A, group: 1–2, depending on color shade, in accordance with BFS Leaflet No. 26
Water-vapor-permeability	Diffusion-equivalent air layer thickness: S_d (H_2O) < 0.5 m in accordance with DIN EN ISO 7783, corresponds to class V2 “medium water-vapor permeable” in accordance with DIN EN 1062-1
Water absorption coefficient	w-rate < 0.01 kg/(m²·$h^{0.5}$) in accordance with DIN EN 1062-3, corresponds to class W_3 “low water-vapor-permeable”.
Packaging	0095 white: 2.5 l, 5 l, 10 l, 15 l Color System: 1 l, 2.5 l, 10 l, 15 l

Application

Thinning	If necessary, thin slightly with water.
Tinting	Full Color and Tinting Paint 951. With the TSR formula, mixed color shades cannot be subsequently altered.
Compatibility	Can only be mixed with similar materials and those specified in this data sheet.
Application	Evocryl 200 can be applied by using a brush, roller and Airless spray application. (See details about “Protect Quality” in the notes). Excellent results that are highly cost effective can also be achieved with low-overspray, airless spraying. There is further information on this in the 2ns2 Data Sheet.
Consumption	Approx. 140–170 ml/m² per layer on smooth substrates. On rough surfaces, the consumption will be higher. Determine the exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply if air or object temperature is below +5°C.
Tool cleaning	Clean tools immediately after use with water.

Application

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 low-overspray airless spraying

Spray system	Nozzle	Spray angle	Dynamic 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 ordering details for the accessories are available in the “2ns2 low-overspray airless spraying” Data Sheet.

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

Coatable 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 efflorescences, sintered 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. In cases of exposure to moisture, rapid water drainage must be ensured. Protect horizontal surfaces in a constructive manner. (e.g. by covering them). Check existing coatings for their suitability, load-bearing capacity, and adhesive properties. Remove defective and unsuitable coatings thoroughly and dispose of them in accordance with the relevant regulations. Roughen and clean smooth or dense substrates. Clean surfaces infested with fungi and algae thoroughly and then treat them with Universal Disinfectant 542 *. (* Use biocide products with care. Always read the label and product information before use.). Treat replastered areas with a fluorine primer in a technically correct manner. Apply a prime and/or intermediate coat to the substrate, as required. See also VOB Part C, DIN 18363, Paragraph 3.

Coating build-up

Facade coating with Evocryl 200

<table>
<tr><th>Substrates [1)]</th><th>Prime coat</th><th>Intermediate coat</th><th>Top coat [7)]</th></tr>
<tr><td>Exterior substrates with normal absorption capacity, e.g., exterior plaster (depending on the compressive strength [2)])</td><td>Depending on the individual requirements, Priming Concentrate ELF 938, 1:4 water-diluted or Lacryl Deep Penetrating Primer ELF 595</td><td rowspan="3">Evocryl 200 or, if filling and crack-filling properties are required, Facade-Brush-On Filler 444</td><td rowspan="6">Evocryl 200</td></tr>
<tr><td>Exterior substrates with high absorption capacity, e.g., exterior plaster (depending on the compressive strength [2)]), concrete[3)]</td><td>Depending on the individual requirements Lacryl Deep Penetrating Primer ELF 595 or Deep Penetrating Primer 545</td></tr>
<tr><td>Intact organic coatings, e.g., emulsion enamel paints, synthetic resin renders, polymerization resin coatings</td><td>Adhesion Primer ELF 3720 [4)]</td></tr>
<tr><td>New, untreated organically bound renders, e.g., Rausan</td><td></td><td rowspan="4">Evocryl 200</td></tr>
<tr><td>Intact Glasal® or Fulgural panels® [5)]</td><td rowspan="3">2K Epoxy Varioprimer 865 or 2K Epoxy Varioprimer S 864</td></tr>
<tr><td>Untreated, asbestos-free fiber cement boards and cement-treated particle boards [6)]</td></tr>
<tr><td>Intact, factory-made coatings, e.g. Coil Coating</td></tr>
</table>

[1)] To coat asbestos-cement facade claddings, follow the instructions in the “Coating systems for asbestos-cement facade claddings 2asb” Data Sheet.
[2)] Minimum compressive strength > 2.0 N/mm² (compressive strength category CS II, CS III)
[3)] For dense, non-absorbent or low-absorbent concrete e.g., pre-cast concrete parts, perform test applications if necessary, with Adhesion Primer ELF 3720.
[4)] Prime defects before the prime coat with Deep Penetrating Primer 545 or Lacryl Deep Penetrating Primer ELF 595.
[5)] Glasal® and Fulgural® are registered trademarks of Eternit AG and Fulgurit Baustoffe GmbH.
[6)] Generously apply the prime coat on all sides, including the cut surfaces.
[7)] The additional application of Vivalin Facade Glaze 866 provides a unique surface appearance. For this purpose, refer to the information in the "Vivalin Facade Glaze 866" Data Sheet, as well as in the application description, "Glazing techniques for exterior use only", 3c09.

Notes

Contiguous surfaces	Only use material from the same batch on a contiguous surface or mix the required material quantity.
Repairs	Surface repairs become more or less evident depending on the object situation. According to BFS Leaflet No. 25, item 4.2.2.1, Para. e, this is unavoidable.
New mineral substrates	Only coat new mineral substrates, in particular plaster surfaces (chalk cement mortar and cement mortar), subsequent to completion of curing and drying, after 14 days at the earliest; even better, after 4 weeks. Depending on the weather and time of year, the drying process can also take more time.
Lime efflorescence on concrete	There is a risk of lime efflorescence on concrete facade surfaces. An intact coating film prevents water penetration, and minimizes this risk. In order to achieve an intact coating, existing pores, craters, and honeycombs must be filled beforehand by, e.g., filling with Concrete Pore Filler 782. Crack-bridging coating systems using, e.g., Concrete Finish 839 or Concrete Elast OS 862 must be used on existing cracks.
ETICS colored coating	Colored coatings in the ETIC System with a light reflective value of ≥ 20 can be implemented without restrictions. If color shades with a light reflective value of < 20 are to be implemented, then comply with the additional information under the “SolReflex System with TSR formula” note.
Implementation in brilliant and intense color shades	Brilliant, pure intense color shades, e.g., in the yellow, orange, red, magenta and yellow green areas have a lower hiding power due to the pigments used. For critical color shades, we recommend applying a full-covering base coat to these areas in the corresponding base color shade (Basecode). In addition to the standard coating buildup, additional coatings may be required.
SolReflex System with TSR formula	With the SolReflex system, even color shades with a light reflective value reflective value of < 20 can be implemented on newly implemented thermal insulation composite systems. Follow the instructions in the “SolReflex” 5tsr Data Sheet. Products with TSR formula can exhibit slight color differences to standard goods. Only use material of the same quality and production number on contiguous, adjacent surfaces or those that are close together.
For asbestos-cement facade panels	For application on asbestos-cement facade panels, follow the instructions in the “Coating systems for asbestos-cement facade claddings 2asb” Data Sheet.
As "Protect Quality"	The quality marked with "Protect" is provided with film preservation against algal and fungal attacks and should therefore only be used on exterior surfaces. Spray application is possible with low-overspray airless spraying, on vertical surfaces. Do not inhale spray mist, wear suitable protective clothing. The preservatives used minimize and/or delay the risk of algal and fungal attack. For facade paints equipped with film preservation, we recommend applying at least two coats in adequate layer thickness. With the current state of the art permanent prevention of algal and fungal attack cannot be guaranteed.

Notes

Glossy streaks in the event of early exposure to moisture

If exposed to moisture too soon after application (condensation or rain), water-soluble wetting agents can be released in high concentrates from the coating film and appear as glossy streaks on the coating surface. If such streaks appear, do not immediately recoat the surfaces. These water-soluble materials will be washed off by additional moisture (rain) in the course of time. However, if immediate recoating is to be performed, thoroughly wash off the streaks with water beforehand. To prevent such streaks, coating work should only be performed under suitable weather conditions.

Constructive protection

Roof overhangs and sufficiently dimensioned covers extend the service life of facade coatings. Missing drip edges or excessively small drip edge separations can (according to BFS Leaflet No. 9, Section I) lead to visible streak marks and soiling on facades, parapets, etc., in a relatively short time.

Further information

Follow the instructions in 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