



Silicone Facade Paint 918

Silicon-Fassadenfarbe 918

**High weather resistance, matt, micro-porous,
highly water repellent, permeable, for exterior use**

Properties

High weather resistance, excellent permeability to water vapor and carbon dioxide, and at the same time a highly water repellent silicone facade paint. Because the exterior dampness is repelled the heat insulation within the interior walls is improved as the walls stay dry. White, matt, environmentally friendly, low odor, non-saponifiable and giving high protection against aggressive air contaminants. In addition adhesive, flexible, fast drying, micro-porous so does not form a film and is very easy to apply. Silicone Facade Paint 918 can, if required, be ordered as "Protect Quality" which is provided with a film preservation. Also deliverable in the SolReflex System with the special TSR formula ("Total Solar Reflectance") for coats on newly built thermal insulation composite systems with a lightness reference value < 20. Further info on the SolReflex System under notes.

Field of application

For weather resistant, water repellent and permeable facade paint on all intact mineral surfaces, e.g. plaster (mortar group PII, PIII, depending on the pressure resistance), sand-lime brickwork, silicate and mineral paint coatings, fiber cement, dispersion paints, organically bound plasters. In particular, can be used on organically bonded plaster in the ETICS (external thermal insulation compound systems). On surfaces with persistent high humidity (depending on the location and construction, as well as on ETICS) there is a risk of algae or fungus infestation. For these surfaces we recommend using the "Protect Quality" of Silicone Facade Paint 918 (see further details about this under Note).

Material description

Standard color: 0095 white. A large number of other colors can be obtained from the Brillux color system (paint mixing system), also with the TSR formula.
Gloss grade: matt
Base material: Silicone resin emulsion combined with acrylate-copolymer-dispersion
Density: Approx. 1.50 g/cm³
Water vapor permeability: S_d (H₂O) = 0,03 m, corresponds to class I "highly water-vapor permeable" according to DIN EN ISO 7783-2.
Water absorption coefficient: w-value < 0.05 kg/(m²·h0,5), corresponds to class III "low water-vapor permeability" according to DIN EN 1062-3.
Packaging:
0095 white: 10 l, 15 l
Color system (paint mixing system): 2,5 l, 10 l, 15 l

Use

Thinning

If necessary slightly with water.

Tinting

Up to a max. of 0.2 % with Mixol LW oxide types. May not subsequently be changed with TSR-formula-blended color tones.

Compatibility

Only mixable with similar materials and those specified in this Data Sheet.

Application

Silicone Facade Paint 918 can be applied by means of paint brush, rollers and spraying method and is suitable for low-overspray facade coating (comply with instructions on "Protect").

Obtain perfect results at high efficiency by low-overspray airless spraying. For more information, refer to information leaflet 2ns2.

Consumption

Approx. 150–180 ml/m² per coat on smooth substrates. On rough surfaces, consumption will be higher. Exact consumption can be determined by a test application on the object to be painted.

Application temperature

Do not apply if air or object temperature is under +5°C.

Tool cleaning

Clean tools immediately after use with water.

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

Can be recoated after about 12 hours.

Allow longer drying times at a lower temperature and/or higher air humidity.

Storage

Cool and frost free. Reseal containers tightly.

Declaration
Water danger class

WGK 1, as specified in VwVwS

Product-Code

M-SF01

The data in the current Safety Data Sheet applies.

Airless-spray data

Nozzle hole		Nozzle angle	Pressure (bar)	Thinning
Inch	mm			
0,021–0,027	0,53–0,69	40°–80°	ca. 150	ca. 5–10%

Airless spray data for low-fog facade coats, e.g. with Wagner SuperFinish 31

Nozzle opening		Jet angle	Pressure (bar)		Thinning	
inch	mm		Banking-up pressure	Spray pressure	with heating hose	without heating hose
0,027	0,69	40°	ca. 150–200	ca. 100–130	undiluted, up to 5 % if necessary	5 %

For more information and order information about accessories, refer to information leaflet "Low-Overspray Airless Spraying 2ns2".

Building up the Coating

Surface preparation

The surface must be solid, dry, clean, load bearing and free from efflorescence, sintered layers, separating agents, corrosion promoting components or other compounds affecting intermediate layers. Remove fine-grain layers on concrete surfaces mechanically or through pressure washing.

In the case of exposure to moisture, quick drainage of the water must be ensured. Protect horizontal surfaces by taking appropriate design measures. Check existing coatings for their suitability, load carrying and adhesive properties. Completely remove any coatings that are not intact or unsuitable and dispose of these in accordance to the regulations. Remove any fungus and algae on the surface and

treat with Universal-Desinfektant 542*. (* Take due care when using biocides. Always read label and product information before use.) Treat replastered areas with a fluorine primer. If necessary prime the surface and / or put on an intermediate coat. Also see VOB Part C, DIN 18363, Paragraph 3.

Surface	Priming coat	Intermediate coat	Top coat
Slightly absorbent surfaces exterior, intact organic coatings, e.g. dispersion paints	Silicone Priming Paint 917	Silicone Facade Paint 918 or if filling and smoothing properties are required Silicone Brush Filler 910	Silicone Facade Paint 918
Very absorbent surfaces, untreated external plaster (mortar group Plc, PII, PIII), sand-lime brickwork, absorbent intact mineral coatings, etc.	Silicone Hydroprimer 913, thinned 1 : 9		
new, untreated organically bound plaster / silicone plasters		Silicone Facade Paint 918	
intact Glasal®- or Fulgural® boards ^{1) 2)}			
New untreated, asbestos free fiber cement boards ³⁾	2-C Epoxy Primer 855		

¹⁾ For coating asbestos cement claddings, comply with additional instructions given in Data Sheet "Coating Systems for Asbestos Facade Cladding 2asb 2asb".

²⁾ Glasal® and Fulgural® are registered trademarks of Eternit AG and Fulgurit Baustoffe GmbH.

³⁾ Apply the priming coat thickly on all sides including the joints so that the surface is well covered.

Notes

Contiguous surfaces

On contiguous areas only use materials of a production or mix the required amount of materials.

Repairs

Repairs in the area become more or less strongly apparent depending on the object situation. This is unavoidable (see BFS fact sheet No. 25, 4.2.2.1., para. e).

Caulk efflorescence on concrete

There is a risk of caulk efflorescence on concrete facade surfaces. The water ingress from outside is prevented and this risk is minimized through a closed coating film. For the attainment of a closed film, existing pores, cavities and grit pockets must be filled in beforehand by, e.g., smoothing with Concrete Pore Filler 782. For existing cracks, crack-bridging coating systems with, e.g., Concrete Finish 839 or Concrete Elast OS 862 are to be utilized.

New mineral substrates

Allow new mineral substrates, particularly plaster surfaces (MG PII, PIII) to cure and dry properly (at least 14 days, better 4 weeks) before coating them. Depending on weather conditions and season, the drying process may take even longer.

Colored coating of thermal insulation composite system

Colored coatings in the thermal insulation composite systems with a lightness reference value ≥ 20 are executable without restrictions. Should color tones with a lightness reference value < 20 be executed, observe the additional information under the note "SolReflex with the TSR formula".

Design with brilliant or intensive colors

Brilliant, pure intensive colors, e.g. yellow, orange, red, magenta and yellow-green have little covering capacity due to their pigment nature. In the case of critical colors, we recommend to apply a well-covering base coat on the relevant surface in the corresponding base color (Basecode). Additional coats may be required in addition to the normal system build-up.

SolReflex with the TSR formula

With the SolReflex System, even color tones with a lightness reference value < 20 can be executed on newly built thermal insulation composite systems. Note here the information on the fact sheet 5tsr "SolReflex". TSR-formulated product features can have slight coloring differences from standard products. Utilize on contiguous, adjacent or parallel surfaces only materials of one product feature and production number.

In the case of asbestos facade boards, please note

For coating asbestos cement facade panels, comply with instructions given in Data Sheet "Coating Systems for Asbestos Facade Cladding 2asb".

As "Protect" quality

The material quality marked with "Protect" is provided with a film preservation against algae and fungal attack and should be used outdoors only for this reason. Spray application is possible on vertical surfaces by using an airless spray method with little fog development. Do not inhale spray fog, wear appropriate safety clothing. The preservatives used minimize risk of algae and fungal attacks.

Facade paints with film preservation must be applied with sufficient layer thickness. We recommend application of at least two layers.

Subject to the status of the technology, a lasting absence of algae and fungal infestation cannot be guaranteed.

Protection colloids in the case of early exposure to moisture

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 re-coat the surfaces directly. 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.

Further information

Follow the information on the Data Sheets of the products used.

Additional products

- Silicone Hydroprimer 913
- Silicone Priming Paint 917
- Silicone Brush Filler 910

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet appears with updated information the previous version no longer applies. The current version is available on our website. Version I

Brillux
Postbox 16 40
48005 Münster
Germany
Phone +49 (0)251 7188-0
Fax +49 (0)251 7188-105
www.brillux.com
www.brillux.de
info@brillux.de