Mattosil Facade Paint 960

Mattosil Fassadenfarbe 960

silicon reinforced, with a mineral character, matt, weather resistant, for exterior use

Properties

Silicon reinforced, weather resistant, low surface tension dispersion facade paint with a mineral character. White ore colored, matt, good filling properties, water repellent, low odor, non-saponifiable and resistant to industrial exhaust gases. In addition, permeable and easy to apply. Can be ordered in "Protect Quality" if required – with film preservation.

Field of application

For weather resistant, water repellent facade coatings on load bearing mineral surfaces, e.g. exterior plaster (compressive strength category CS II and CS III, compressive strength >2 N/mm²), concrete, brickwork and organically bonded plaster, intact coats of dispersion paint.
For surfaces with persistent high humidity and increased risk of algae and fungal attack, we recommend using Evocryl 200 or Silicone Facade Paint 918 in "Protect Quality".

Material description

Standard color: 0095 white.
Light to medium color shades can be mixed with the Brillux Color System.
Additional color shades available on request.
Gloss grade: matt
Base material: Acrylate Copolymer
Density: Approx. 1.50 g/cm³
Water vapor permeability:
S_d (H_2O) < 0.14 m,
corresponds to class I
"highly water-vapor permeable“
according to DIN EN ISO 7783
Water absorption coefficient:
w-value < 0.1 kg/(m²·$h^{0,5}$),
corresponds to class III
"low water-vapor permeability“
according to DIN EN 1062-3.
Packaging:
0095 white: 15 l
Color system (paint mixing equipment): 2.5 l, 10 l, 15 l

Use

Thinning
If necessary, slightly with water.

Tinting
With Full- and Tinting Paint 951.

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

Application
Mattosil Facade Paint 960 can be applied by means of a brush, paint roller and using an airless spray method.
Obtain perfect results at high efficiency by low-overspray airless spraying. For more information, refer to information leaflet 2ns1.

Consumption
Approx. 150 to 200 ml/m² per coat on smooth substrates. On rough surfaces, consumption will be higher.
Determine 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.

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

Recoatable after about 12 hours.
Allow longer drying times at a lower temperature and/or higher air humidity.

Storage

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

Declaration

Notes
Contains preservatives.
Do not inhale the spray mist.

Water pollution classification
WGK 1, as specified in VwVwS.

Product-Code
M-DF02.

Comply with the specifications in the current Safety Data Sheet.

Spray data

Spray system	Nozzle hole	Spray angle	Pressure	Thinning
Airless	0,021–0,027 Inch	40°–80°	150 bar	ca. 5–10 %

Spray data for low-overspray facade coats

Spray system	Nozzle opening	Spray angle	Pressure (bar)		Thinning	
			Banking-up pressure	Spray pressure	with heating hose	without heating hose
Low-Overspray Airless Spraying	0,027 inch	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 2ns1".

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.

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-bearing capacity and adhesive properties. Remove non-bearing and unsuitable coats and dispose of them as per the applicable regulations. Clean areas infested with fungus or algae thoroughly and then treat them with Universal Disinfectant 542*. (* Use biocides safely. Always read the label and product information before use.) Treat replastered areas with a fluorine primer. Apply a prime and/or intermediate coat to the substrate as required. Also see VOB Part C, DIN 18363, Paragraph 3.

Substrate [1]	Prime coat	Intermediate coat	Top coat
normally absorbent exterior substrates, e.g. exterior plaster (lime-cement mortar and cement mortar)	depending on requirements Priming Concentrate ELF 938, thinned 1 : 4 or Lacryl Deep Penetrating Primer ELF 595	Mattosil Facade Paint 960 or, if filling and crack-filling properties are required, Silicone Brush-on Filler 910	Mattosil Facade Paint 960
highly absorbent exterior substrates, e.g. exterior plaster (lime-cement mortar and cement mortar), concrete[3]	depending on requirements Lacryl Deep Penetrating Primer ELF 595 or Deep Penetrating Primer 545		
non-absorbent surfaces	depending on requirements Adhesion Primer ELF 3720 [2] or 2C Epoxy Primer 855		

[1] For coating new untreated, asbestos-free fiber cement panels we recommend using Evocryl 200 or Silicone Facade Paint 918. For coating asbestos cement claddings, comply with additional instructions given in Data Sheet "Coating Systems for Asbestos Facade Cladding 2asb".

[2] Prime defective areas using Deep Penetrating Primer 545 or Lacryl Deep Penetrating Primer ELF 595 before applying the prime coat.

[3] In the case of dense, non- or slightly absorptive concrete, e.g. pre-fabricated concrete parts, coat a test area using Adhesion Primer ELF 3720, if necessary.

Notes

Contiguous surfaces

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

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.

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 instructions on the data sheets of the products used.

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.

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