Data Sheet

Silicone Render KR Fine Render 3656

Smooth render in accordance with DIN EN 15824, ready to use, perfect water vapor diffusion capacity, for exterior use

Field of application

Ready-to-use render in accordance with DIN EN 15824 for achieving particularly fine, decorative, smooth render surfaces. Specially designed for small surface areas such as window reveals and niches and strips around openings, plaster strips, mirrors, as well as base areas.

Properties

- For exterior use
- Excellent water-repellent properties
- Exceptionally diffusible
- Ready to use
- Freely texturable
- Easy to apply
- Optionally available in "Protect Quality" (film protection against an algal and fungal infestation on the coating)

Material description

Standard color shade
0095 white
Light color shades can be mixed with the Brillux Color System.
Additional color shades available upon request.

Base material
Silicone resin emulsion in combination with vinyl acetate ethylene copolymer dispersion and natural mineral supplements such as quartz, calcite, etc.

Density
Approx. 1.85-1.95 g/cm³

Packaging
25 kg

Brillux ..more than paint

Use

Thinning
If necessary, use small quantities of water.

Tinting
Up to max. 2% with Silicone Facade Paint 918, colored.

Compatibility
Can only be mixed with similar materials and those specified in this data sheet.

Application
Stir Silicone Render KR Fine Render 3656 well, prior to use with a powerful stirrer (min. 900 watts) and a right-hand spiraled stirring rod (plaster stirring rod). Apply the render with a stainless steel smoothing trowel in uniform layer thicknesses and abrade with the Plastic Trowel 3791. Apply the render wet in wet to avoid visible lap marks. For this purpose, we recommend using a sufficient number of workers particularly for larger areas. To form ornamental stripes around niches, first create the outer boundary by carefully masking it. Avoid overlapping the adjacent facade coating.

Consumption
Approx. 2.0 kg/m² per layer. Depending on the chosen reinforcement plaster, a two-coat application is required when implementing "schwerentflammbar" (flame-retardant) ETIC Systems to achieve the necessary minimum thickness of 4 mm (reinforcement layer and finishing render). Determine exact consumption by means of a test application on the object to be coated.

Application temperature
Do not apply below +5 °C and up to a max. of +30 °C air and object temperature. These temperature limits must be complied with even during the curing time. At low temperatures, from +1°C to max. +15°C and in a high relative air humidity (min. 75% to max. 95%), we recommend the use of TempTec 3505. Therefore, follow the instructions on application in Data Sheet 3505.

Tool cleaning
Clean tools immediately after use with water.

Drying (+20°C, 65% relative humidity)

Cured and ready for coating after 2-3 days.
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

Product code
BSW50
The information in the current Safety Data Sheet applies.

Coating build-up

Substrate preparation

The substrate must be level, solid, dry, clean, load-bearing and free from efflorescence, sintered layers, separating agents, corrosion-promoting components or other intermediate layers affecting adhesion. Moisture penetration of the render, e.g., via connections, cracks, etc., must be prevented. Check existing coatings for their suitability, load-bearing capacity, and adhesive properties. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. 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. Coat reinforcement layers after the curing and drying time (at least 3 days at +20°C, 65% relative humidity). Apply a prime and/or intermediate coat to the substrate as required. See also VOB Part C, DIN 18363, Section 3.

Render coating, exterior

<table>
<tr><th>Substrates</th><th>Primer</th><th>Intermediate coat [1)]</th><th>Top coat [2)]</th></tr>
<tr><td>Reinforcement layers in the Brillux ETICS systems [3)]</td><td rowspan="2"></td><td rowspan="3">Silicone Render Primer 3644</td><td rowspan="3">1–2x Silicone Render KR Fine Render 3656</td></tr>
<tr><td>Normal and low-absorbent substrates, e.g., exterior plaster, intact emulsion coatings</td></tr>
<tr><td>Highly-absorbent substrates, e.g., exterior plaster, chalking emulsion coatings</td><td>Silicone Priming Paint 916</td></tr>
</table>

[1)] The intermediate coat with Silicone Render Primer 3644 is not required for white top coats on ETICS Reinforcement Plaster ZF-Granite 3535.

[2)] For colored top coats, use Silicone Render Primer 3644 tinted in accordance with the color of render and follow the instructions in the “ETICS colored coating” note.

[3)] For reinforcement with tinted ETICS Reinforcement Plaster ZF-Granite 3535 based on the color of render, the intermediate coat with Silicone Render Primer 3644 can be dispensed with.

Notes

Larger areas require two layers

For larger contiguous surfaces, we recommend applying two layers of the fine render, with a drying time of at least one day.

Contiguous surfaces

Only use material of the same batch or mix the required material quantity for contiguous surfaces.

New mineral substrates

Only coat new mineral substrates, in particular plaster surfaces, once curing and drying is complete, 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.

ETICS colored coating

Colored top coatings in the ETIC System with a light reflective value of ≥ 20 can be implemented without restrictions. Color shades with a light reflective value of < 20 are to be implemented with the Brillux SolReflex system. Follow the instructions in the “SolReflex 5tsr” Data Sheet.

Notes

As Protect Quality

Silicone Render KR Fine Render 3656 is provided with preservatives at the factory and should therefore only be used in exterior areas. The preservatives used and, in particular, the quality marked “Protect” minimize or delay the risk of algal and fungal infestation. If additional, preventive protection is desired, we recommend applying an additional second coat of e.g., Silicone Facade Paint 918, in “Protect Quality”. With current state of the art, permanent prevention of algal and fungal infestation cannot be ensured.

Coating protection

During preparation, drying and curing, the surfaces are to be protected from direct exposure to sunlight, strong wind and moisture, e.g., with tarpaulins. Do not use below ground level, on base areas or in cellar entries without additional protective measures.

Horizontal surfaces

Do not use render coatings on horizontal surfaces. Projecting structural components, e.g., window sills, cornices, copings, must be properly covered to prevent the occurrence of streaks of dirt and moisture penetration.

Further information

Follow the instructions on the product data sheets.

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.

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