Data Sheet

Rausan KR/R

Organically bound render, KR scraped render finish, R grooved render finish, for outdoors

Field of application

For obtaining decorative, weather-resistant surfaces in Brillux ETICS Systems. Additionally usable on, for example, flat exterior plaster surfaces, finished components and intact emulsion paints. On surfaces exposed to moisture (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 Rausan in Protect quality (for further information, refer to Notes).

Properties

- Ready for application
- For use outdoors
- Freely texturable
- Extremely durable
- Shock-proof
- Non-saponifiable
- Diffusible
- Provides impact rain protection on facade surfaces for all load groups according to DIN 4108, Part 3
- Certified as a top coat in the Brillux ETIC system
- Optionally available in Protect quality (film protection against an algal and fungal infestation of the coating)
- Easy to apply

Material description

Color shade
0095 white
Using the Brillux color system, the grain sizes K2, and K3 can be mixed in light color shades. Additional color shades available upon request.

Base material
Vinyl acetate ethylene copolymer dispersion with natural mineral additives such as quartz, calcite, etc.

Density
Approx. 1.8 g/cm³

Brillux ..more than paint

Material description

Types

Type	Structure	Grain size
Rausan KR K1 3523	Scraped render finish	K 1
Rausan KR K2 3516	Scraped render finish	K 2
Rausan KR K3 3517	Scraped render finish	K 3
Rausan KR K4 3518	Scraped render finish	K 4
Rausan R K2 3509	Grooved render finish	K 2
Rausan R K3 3510	Grooved render finish	K 3
Rausan R K4 3511	Grooved render finish	K 4
Rausan R K5 3512	Grooved render finish	K 5

Packaging

0095 white: 25 kg, 1,800 kg wet silo*, 900 kg refill silo*
Color System: 25 kg
* If there is the risk of frost, only use buckets

Use

Thinning

If necessary, dilute slightly with water.

Tinting

Up to max. 2% with Full Color and Tinting Paint 951.

Compatibility

Can only be mixed with materials of the same type and those specified in this data sheet.

Application

Stir Rausan well prior to use with a powerful agitator (at minimum 900 watts) and right-hand spiral stirring rod (plaster stirring rod). The material is applied using a stainless steel smoothing tool or a suitable screw conveyor. Level the applied plaster to grain size and, depending on the required structural finish, float the surface using the Plastic Smoothing Trowel 3791 or the Polyurethane Float 3781. 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.

Consumption

Rausan KR K1 3523	Approx. 3.0 kg/m²
Rausan KR K2 3516	Approx. 3.0 kg/m²
Rausan KR K3 3517	Approx. 4.0 kg/m²
Rausan KR K4 3518	approx. 5.0 kg/m²
Rausan R K2 3509	Approx. 2.8 kg/m²
Rausan R K3 3510	Approx. 3.5 kg/m²
Rausan R K4 3511	Approx. 4.2 kg/m²
Rausan R K5 3512	Approx. 5.3 kg/m²

Determine the exact consumption by means of a test application on the object to be coated.

Application temperature

Do not apply if the air and object temperature is below +5°C or higher than +30°C. These temperature limits must be complied with even during the curing time. At low temperatures, from +1°C to max. +15°C and high relative humidity (min. 75% to max. 95%), we recommend the use of TempTec 3505. The specifications included in the 3505 data sheet must be adhered to.

Tool cleaning

Clean tools with water immediately after use.

Drying (+20°C, 65% relative humidity)

Cured and recoatable after approx. 2–3 days. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

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

Declaration

Note Contains preservatives.

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

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. Dampening of the render, e.g. through joints, cracks, etc. must be prevented. 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. 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. 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.

Organic coating with Rausan KR/R

<table>
<tr><th>Substrates</th><th>Prime coat</th><th>Intermediate coat [1)]</th><th>Top coat [2)]</th></tr>
<tr><td>Reinforcement layers, e.g. in the Brillux ETICS systems [3)]</td><td rowspan="2"></td><td rowspan="3">Render Primer 3710</td><td rowspan="3">Rausan KR or R in required grain size</td></tr>
<tr><td>Normal and low-absorbent substrates, e.g., exterior plaster (depending on compressive strength[4)]), intact emulsion coatings</td></tr>
<tr><td>Highly-absorbent substrates, e.g., exterior plaster, chalking emulsion coatings, concrete</td><td>Depending on the individual requirements Lacryl Deep Penetrating Primer ELF 595 or Deep Penetrating Primer 545</td></tr>
</table>

[1)] The intermediate coat with Render Primer 3710 is not required for white top coats on Qjusion Organic 3712 or Qjusion Organic SK 3726.
[2)] For colored top coats, use Render Primer 3710 tinted in accordance with the color of render and observe the “ETICS colored coating” note.
[3)] For reinforcement with Qjusion Organic 3712 or Qjusion Organic SK 3726 that is tinted based on the color of render, the intermediate coat with Render Primer 3710 can be skipped.
[4)] Minimum compressive strength > 2.0 N/mm² (compressive strength category CS II, CS III)

Notes

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

New mineral substrates
Allow new mineral substrates, particularly plaster surfaces, to cure and dry properly (at least 14 days, or ideally 4 weeks) before coating them. Depending on the weather and time of year, the drying process may take even longer.

Colored coats in ETICS
Colored top coats in the ETIC System with a light reflective value of ≥ 20 can be created without restrictions. Color shades with a light reflective value of < 20 can be created with the Brillux SolReflex system. Follow the instructions in the “SolReflex 5tsr” information sheet.

Protect quality
Rausan comes from the factory with preservatives and should therefore only be used outdoors. 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, for example with Evocryl 200 in Protect quality. With the current state of the art technical development, a permanent protection against algal and fungal infestation cannot be guaranteed.

Characteristic structural grains
The additives used in the renders are natural products, which, depending on the render color shade, can be discernible as isolated slightly darker or lighter structural grains. This is a typical character and natural feature of render coats. This is neither a technical nor functional defect and does not justify a complaint.

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Protection of the coat
During application, drying, and curing, the surfaces are to be protected from direct exposure to sunlight, strong wind, and moisture, e.g., with tarpaulins.

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Horizontal surfaces
Do not use render coatings on horizontal surfaces. Projecting structural components, e.g. window sills, moldings, crests of walls must be covered properly to prevent dirt stains and moisture penetration.

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Further information
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.

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