

Rausan KR/R

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**organically bound render (top coat),
KR scraped finish render structure
R grooved render structure, for exterior use**

Properties

Organically bound render in grooved plaster structure or scraped finish plaster structure according to DIN 18 558. Ready for use, easy to apply and flexible structuring options. Extremely durable, impact-proof, non-saponifiable, and diffusible. Offers impact rain protection at facade surfaces for all load groups according to DIN 4108, Part 3. System-tested as a topcoat in the Brillux ETIC system. Rausan can, if required, be ordered as "Protect Quality" with film preservation against algae and fungal attack.

Field of application

For obtaining decorative, weather-resistant surfaces in Brillux ETICS Systems Qju as well as ETICS Systems I - V. Additionally usable on, for example, flat exterior plaster surfaces (mortar group PII, PII, depending on pressure resistance), finished components and intact emulsion paints.

On surfaces exposed to moisture (depending on location and construction, as well as in the case of highly heat-insulated facades) there is a risk of algae and fungal attack. For such surfaces we recommend using Rausan in "Protect Quality" (for further information refer to Note).

Material description

Standard color: 0095 white.

Via the Brillux Color System grain sizes K2 and K3 can be mixed in bright colors.

Other colors available upon request.

Base material: Polyvinylacetate copolymer with natural mineral additives such as quartzes, calcites, etc.

Density: approx. 1.8 g/cm³

Types: see table on page 2

Packaging:

0095 white: 25 kg, 1,800 kg wet silo*, 900 kg refill silo*

Color system: 25 kg

* When there is the risk of frost, use buckets only.

Use

Thinning

If necessary, slightly dilute with water.

Tinting

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

Compatibility

May only be mixed with materials of the same type and the materials specified for this purpose in this Data Sheet.

Application

Before application, thoroughly stir Rausan using a high-power stirrer (min. 900 Watt) and right-handed spiral. The material is applied using a stainless steel smoothing tool or a suitable worm conveyor. Level the applied plaster to grain size and, depending on the required structural effect, float surface using Plastic Smoothing Tool 3791 or Polyurethane Float 3781. To avoid visible joints, apply render wet in wet. Use sufficient workers in particular for large surfaces.

Types, structure and consumption

Type	Structure	Grain size	Consumption ¹⁾
Rausan KR K1 3523	scraped render finish	K 1	approx. 2.7 kg/m ²
Rausan KR K2 3516	scraped render finish	K 2	approx. 3.0 kg/m ²
Rausan KR K3 3517	scraped render finish	K 3	approx. 4.0 kg/m ²
Rausan KR K4 3518	scraped render finish	K 4	approx. 5.0 kg/m ²
Rausan R K2 3509	grooved render finish	K 2	approx. 2.8 kg/m ²
Rausan R K3 3510	grooved render finish	K 3	approx. 3.5 kg/m ²
Rausan R K4 3511	grooved render finish	K 4	approx. 4.2 kg/m ²
Rausan R K5 3512	grooved render finish	K 5	approx. 5.3 kg/m ²

¹⁾ Determine exact consumption by way of a test application on the object.

Application temperature

Do not apply below +5 °C and up to a max. air and object temperature of +30 °C. The temperature limits must be complied with even during the curing time. In the case of low temperatures from +1 °C to max. +15 °C and high relative atmospheric moisture (75 % to max. 95 %) we recommend using TempTec 3505. In any case, refer to specifications in Data Sheet 3505.

Tool cleaning

Immediately after use (with water)

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

Fully dry and ready for coating after approx. 2 to 3 days. In the case of lower temperatures and/or higher atmospheric moisture, allow for longer drying time.

Storage

Cool and frost-free, close opened containers tightly.

Declaration
Note

Contains preservatives.

Water pollution classification

WGK 1, according to VwVwS.

Product code

Rausan KR: M-DF02

Rausan R: M-DF01

Comply with the specifications in the current safety data sheet.

Building up the coating
Surface preparation

The surface must be level, solid, dry, clean, load bearing and free from efflorescence, sintered layers, separating agents, corrosion promotion components or other intermediate layers affecting the adhesion. Penetration of moisture behind the render, e.g. through joints, cracks, etc. must be excluded. Check existing coats for suitability, carrying capacity and adhesiveness. Remove defective and unsuitable coats thoroughly and dispose of them as per the applicable regulations. Thoroughly clean areas affected by fungal and algae attack and treat with Universal-Desinfektant 542*. (* Take due care when using biocides. Always read label and product information before use.) Fluaterplastered areas properly. Coat reinforcement layers after allowing them to cure and dry properly (at least 3 days, with +20 °C, 65 % r. m.). Apply prime and/or intermediate coat on the substrate depending on the requirements. Also refer to VOB Part C, DIN 18363, Par. 3.

Substrates	Prime coat	Intermediate coat ¹⁾	Top coat ²⁾
Reinforcement layers, e.g. in Brillux ETIC Systems ³⁾			
normally and low-absorbent substrates, e.g. exterior plaster, intact emulsion paint coat		Render Primer 3710	Rausan KR or R in required grain size
highly absorbent substrates, e.g. exterior plaster, chalking emulsion paints, concrete	depending on requirements, Lacryl Deep Penetrating Primer ELF 595 or Deep Penetrating Primer 545		

¹⁾ In the case of a white top coat on ETICS Reinforcement Plaster ZF-SiL 3585 or ZF-R 3636, no intermediate coat of Render Primer 3710 is required.

²⁾ In the case of a colored top coat, use Render Primer 3710 in a color matching the color of the render and comply with the "Colored coats in ETICS".

³⁾ No intermediate coat with Render Primer 3710 is required, if the reinforcement is made of tinted ETICS Reinforcement Plaster ZF-SiL 3585 or ZF-R 3636, in a shade similar to the render shade.

Notes

Contiguous surfaces

On contiguous surfaces only use materials from one production batch or mix the required quantity of materials.

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 coats in ETICS

Colored final coatings in the thermal insulation composite systems with a lightness reference value ≥ 20 can be implemented without restrictions. Color shades with a lightness reference value < 20 can be realized with the Brillux SolReflex System. In this context, pay attention to the additional information on the Data Sheet " Evocryl 200" and on the Information Sheet "SolReflex 5tsr".

As "Protect" quality

Rausan has preservatives added in the factory and should therefore only be used on exterior surfaces. The preservatives added and in particular the quality designated as "Protect" minimizes or delays the risk of algae or fungal infestation. If, additional, preventive protection is required, we recommend applying two additional coats using Evocryl 200 in "Protect Quality", for example. Due to the current state of technology, more durable protection against algae and fungal infestation cannot be guaranteed.

Characteristically 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 no technical or functional defect and must not give rise to any complaints for this reason.

Protection of the coat

During processing, drying and hardening, the surfaces should be protected against sun impact, strong wind and moisture impact, e.g. by covering them with a tarpaulin.


In the case of horizontal surfaces

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

Further information

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

CE Marking

 432 <hr/> Brillux GmbH & Co. KG Weseler Straße 401 D-48163 Münster 11 <hr/> 3509-15824-01 certificate number from MPA NRW <hr/> EN 15824 <hr/> Exterior render with organic bonding agents	
Water vapor permeability	V ₂ medium
Water absorption	W ₃ low
Adhesive strength	≥ 0.3 MPa
Durability	Permeability rate according to EN 1062-3 ≤ 0.5 kg/(m ² ·d ^{0.5})
Behavior in fire	A2-s1,d0

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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