Rausan

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organically bound plaster,
KR scraped finish plaster structure
R grooved plaster structure, for exterior use

Properties

Organically bound plaster 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. In system hardly inflammable B 1 according to DIN 4102, tested as top coat in Brillux ETICS 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 and II. Also suitable for exterior use, e.g. on level plaster surfaces (mainly hydraulically hardening MG PII, PIII Minimum pressure resistance >/= 3.5 N/mm²), prefabricated structures, intact dispersion paint coats. 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.
Material basis: 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 plaster wet in wet. In the case of large surfaces, use a sufficient number of workers for this reason.

Types, structure and consumption

Type	Structure	Grain size	Consumption [1)]
Rausan KR K1 3523	scraped plaster finish	K 1	approx. 2.7 kg/m²
Rausan KR K2 3516	scraped plaster finish	K 2	approx. 3.4 kg/m²
Rausan KR K3 3517	scraped plaster finish	K 3	approx. 4.0 kg/m²
Rausan KR K4 3518	scraped plaster finish	K 4	approx. 5.8 kg/m²
Rausan R K2 3509	grooved plaster finish	K 2	approx. 2.8 kg/m²
Rausan R K3 3510	grooved plaster finish	K 3	approx. 3.5 kg/m²
Rausan R K4 3511	grooved plaster finish	K 4	approx. 4.2 kg/m²
Rausan R K5 3512	grooved plaster finish	K 5	approx. 5.3 kg/m²

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

Application temperature
Do not apply if the air and object temperature is lower +5 °C or higher than +30 °C (also during 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 % r. m.)

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

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 plaster, 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 Fungicide 542*. (* Take due care when using biocides. Always read label and product information before use.) Fluate replastered 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 18 363, Par. 3.

Substrates	Prime coat	Intermediate coat [1)]	Top coat [2)]
Reinforcement layers, e.g. in Brillux ETICS systems [3)]		Plaster Primer 3710	Rausan KR or R in required grain size
normally and low-absorbent substrates, e.g. exterior plaster, intact dispersion paint coat			
highly absorbent substrates, e.g. exterior plaster, chalking dispersion 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 Plaster Primer 3710 is required.
[2)] In the case of a colored top coat, use Plaster Primer 3710 in a color matching the color of the plaster.
[3)] No intermediate coat with Plaster 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 plaster shade.

Notes

Surfaces with one production batch
Only use material from the same manufacturing batch number for coating connected surfaces. Alternatively, mix the required material quantities.

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 top coats in ETIC systems with a brightness reference value ≥ 20 can be realized without any restrictions. If hues with a brightness reference value < 20 are to be used, contact the Brillux consulting service to clarify if the hues are suitable.

As “Protect” quality
Rausan has preservatives added in the factory and should therefore only be used on the exterior. The preservatives added and in particular the quality designated as “Protect“ minimizes or delays the risk of algae/fungal infestation.
If, additionally, preventive protection is required additionally, we recommend applying two additional coats using Acrylic Facade Paint 100 in "Protect Quality", for example.
In accordance with our present state of technical knowledge it is not possible to guarantee permanent protection against algae or fungal infestation (also see BFS Leaflet No. 9, paragraph 6.1, last section).

Characteristically structural grains
The additives used in the plasters are natural products which may be visible as slightly darker structural grains. This is a typical character and natural feature of plaster 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 plaster 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 specifications
Also comply with the information given in the data sheets of the other products used.

Additional products

- Lacryl Deep Penetrating Primer ELF 595
- Plaster Primer 3710
- TempTec 3505
- Deep Penetrating Primer 545
- Full Color and Tinting Paint 951

Remark

This Data Sheet was prepared taking into account the German laws, Standards, specifications and Codes of practice. All details were translated on the basis of the current German version. The contents do not form part of a legal contract. The user/purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our general business conditions apply.

When a new version of this Data Sheet appears with updated information the previous version loses its validity.

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