

# RX 561

## DATA SHEET

Compact acrylic siloxane coating



Exteriors



Plastic containers



Plastic trowel



Metal trowel

## Composition

RX 561 is a finish coat putty made from acrylic copolymers, special polysiloxanes in aqueous emulsion, graded aggregate, titanium dioxide, microfibres and specific additives to improve workability and adhesion. The product features broad-spectrum protection against growth of algae and mould species.

## Supply

- Containers of approx. 25 kg
- Tints: a selection from our 365 A YEAR OF COLORS swatchbook

## Use

RX 561 is used as a top coat for decorating and protecting exterior façades. The nature of the raw materials used in the formulation gives the surface a rustic appearance. RX 561 is used on lime-cement base coat render, on base coats reinforced with alkali-resistant fibreglass mesh and on the FASSATHERM external wall insulation system.

## Substrate preparation

The surface to be coated must be free from dust and dirt, etc. Any traces of oil, grease, wax etc. must be removed beforehand. If the surfaces being decorated are in a state of deterioration due to stains and various types of persistent dirt, before beginning the decoration cycle, these should be treated with ACTIVE ONE solution for cleaning walls. Depending on the state of deterioration, the cleaning treatment may be repeated, with the addition of mechanical brushing.

### External Wall Insulation System

When the layer of reinforced skim coat has cured, apply FX 526 universal pigmented primer to the dry and clean substrate. Before applying the RX 561 coating, wait at least 16-24 hours after application of the primer.

### Lime-cement render and reinforced base coats

When the plaster has cured, apply FX 526 universal pigmented primer to the dry and clean substrate. If there is slight chalking on the surface of the plaster, before applying the FX 526 pigmented undercoat, it is recommended to apply FA 249 primer, diluted on average 1:6 with water.

## Application

Apply the top coat using a metal trowel, making sure to distribute a uniform layer of material on the surface. The top coat is finished using a plastic trowel, performing circular movements. The product with 0.6 mm grading must be applied in two layers. The second layer is applied when the first has dried completely. For this grading it is recommended to use a metal trowel to both apply the material and to obtain the final finish.

## Warnings

- Product recommended for expert users.
- Always consult the safety data sheet before use.
- Wear protective gloves and garments, and in the event of contact with the skin wash with plenty of water and soap.
- Use water to clean tools.
- Tool wash water and any product residues must not be released into the environment or discharged into the domestic sewage system. The recipient/product/wash water must be disposed of in accordance with national laws.
- Acquire all the material required to finish the work of the same batch.
- Only apply on cured and dry plaster and never on alkaline substrates that modify the product's drying characteristics, its resistance to frost and rain and its colour development.
- Avoid application on façades in full sunlight or with strong winds.
- Avoid application at temperatures below +5°C or above +30°C and with a relative humidity higher than 75%.
- Avoid applying the material on the same façade at different times.
- Do not apply on damp surfaces and/or in colder periods, as the coating may detach from the surface and the paint may blister due to the accumulation of moisture inside.
- Do not apply when rising damp is present.
- The product dries physically by elimination of water. Unfavourable weather conditions may delay complete drying, with phenomena such as "streaking", washing away, stains, colour alterations, etc. possibly occurring. Consequently, exterior façades coated with RX 561, during application and on the days after drying, must be protected against rain or other precipitation and high relative humidity in the atmosphere (fog) for at least 48-72 hours.
- The product is not suitable for protection of horizontal or inclined exterior surfaces, where water may accumulate.
- The elements, above all intense exposure to UV radiation and humidity, may modify the surface layer of the coating over time, causing more or less evident variations in colour, depending on the colour applied.
- The colour shades marked with the symbol \* in our Colour Chart contain organic dye: they are therefore potentially degradable, since they are sensitive to sunlight and to substrate alkalinity.
- All colours containing RB organic red colourant paste are excluded from BBA certification.
- Given the large number of mould species and the different climatic conditions, in some cases the additives used may not guarantee stopping the spread of certain plant micro-organisms over time.
- The 0.6 mm grading guarantees optimum results only if applied on small surfaces (approx. 10 m<sup>2</sup>). This grading is also not recommended for the External Thermal Insulation Composite System
- The possible presence of grains that are darker colour on the surface should not be considered a defect, rather is due to the natural variability of the granular mineral and natural sands used in RX 561.
- Additional note regarding the product packaged in recycled plastic packaging, easily recognisable by the grey colour. The variability of the raw materials making up this type of packaging may mean that the mechanical strength and colour of the packaging is inconsistent. Therefore, pay the utmost care when transporting and handling the product. Store protected from frost and direct sunlight, at a temperature between +5°C and +35°C.
- The images and illustrations are purely indicative. The characteristics and qualities of the product specified on the datasheet remain unchanged, regardless of the external appearance of the container.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the natural raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different lots of the same material are used in the same job/site (this is however not recommended as per point 6 of these warnings).

**RX 561 must only be used in its original state, without the addition of other materials, except for the slight addition of water (up to 2% by weight) if the product has been stocked for several months.**

## Storage

Protect from frost. Store at temperatures above +5°C and below +35°C. If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 12 months. Once the product has expired, it must be disposed of in accordance with the current legislation.



## Quality

RX 561 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

## Technical Data

|                                                                                                                                                   |                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Specific weight                                                                                                                                   | 1.70-1.90 kg/l                                                                   |
| Dilution                                                                                                                                          | add up to 2% water if necessary                                                  |
| Granulometry                                                                                                                                      | 0.6 - 1 - 1.5 - 2 - 3 mm                                                         |
| <b>Classification according to EN 15824</b>                                                                                                       |                                                                                  |
| Water vapour permeability (EN ISO 7783)                                                                                                           | Class V <sub>2</sub> , medium (0.14 m ≤ Sd < 1.4 m)                              |
| Liquid water absorption (EN 1062-3)                                                                                                               | Class W <sub>3</sub> , low (W ≤ 0.1 kg/m <sup>2</sup> ·h <sup>1/2</sup> )        |
| Adhesion (EN 1542)                                                                                                                                | ≥ 0.3 MPa                                                                        |
| Thermal conductivity (EN 1745)                                                                                                                    | λ = 0.74 W/m·K (tabulated value)                                                 |
| Reaction to fire (EN 13501-1)                                                                                                                     | A2-s1,d0                                                                         |
| ETA European Technical Approval is available for using the product in building external thermal insulation systems for 1-1.5-2-3 mm gradings only |                                                                                  |
| BBA Certificate available for 1-1.5-2-3 mm gradings only                                                                                          |                                                                                  |
| Italian CAM Building Decree of 23 June 2022, published in the Italian Official Journal on 06/08/2022                                              | Complies with the criteria:<br>2.5.13 paragraph b - Paints and varnishes         |
| EU limit value of VOC content (Directive 2004/42/EC)                                                                                              | Category A/c, WB: max VOC 40 g/l<br>Maximum VOC content in the product: < 40 g/l |

## Consumption

|                                                                                               |                                                    |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Grading 0.6 mm</b>                                                                         |                                                    |
| - on fine render, base coats such as A 50, etc.                                               | approx. 2.5-2.7 kg/m <sup>2</sup> (for two layers) |
| - on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc. | approx. 3.0-3.2 kg/m <sup>2</sup> (for two layers) |
| <b>Grading 1 mm</b>                                                                           |                                                    |
| - on fine render, base coats such as A 50, etc.                                               | approx. 2.0-2.3 kg/m <sup>2</sup>                  |
| - on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc. | approx. 2.2-2.5 kg/m <sup>2</sup>                  |
| <b>Grading 1.5 mm</b>                                                                         |                                                    |
| - on fine render, base coats such as A 50, etc.                                               | approx. 2.3-2.5 kg/m <sup>2</sup>                  |
| - on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc. | approx. 2.4-2.7 kg/m <sup>2</sup>                  |
| <b>Grading 2 mm</b>                                                                           |                                                    |
| - on fine render, base coats such as A 50, etc.                                               | approx. 2.6-2.9 kg/m <sup>2</sup>                  |
| - on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc. | approx. 2.7-3.4 kg/m <sup>2</sup>                  |
| <b>Grading 3 mm</b>                                                                           |                                                    |
| - on fine render, base coats such as A 50, etc.                                               | approx. 4.0-4.2 kg/m <sup>2</sup>                  |
| - on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc. | approx. 4.2-4.6 kg/m <sup>2</sup>                  |

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: [area.tecnica@fassabortolo.com](mailto:area.tecnica@fassabortolo.com), ES: [asistencia.tecnica@fassabortolo.com](mailto:asistencia.tecnica@fassabortolo.com), PT: [assistencia.tecnica@fassabortolo.com](mailto:assistencia.tecnica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto:technical.assistance@fassabortolo.com)).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.