

RX 561

DATA SHEET

Compact acrylic-siloxane render



Exteriors



Plastic containers



Plastic trowel



Metal trowel

Composition

RX 561 is a paste finish coat made from acrylic copolymers, special polysiloxanes in aqueous emulsion, selected aggregates, 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

- Buckets of approx. 25 kg. Available in 3 kg packs, with gradings of 0.6 mm (pastel and neutral bases), 1.0 mm (pastel and neutral bases) and 1.5 mm (pastel and neutral bases). Depending on the country of destination, some sales formats may not be available
- Tints obtainable using the ColorLife paint mixing system

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 (EWI) 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 coats.. 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 read the safety data sheet before use.
- Wear protective gloves and clothing, and in the event of contact with the skin wash with plenty of water and soap.
- Use water to clean tools.
- You must not release the water used to wash the tools and any product residues into the environment or into domestic drains. The container/product/wash water must be disposed of in accordance with national laws.
- Ensure all material for the job is taken from the same batch.
- Avoid application at temperatures below +5°C or above +30°C and with a relative humidity exceeding 75%.
- Avoid applying on surfaces exposed to direct sunlight or strong winds.
- 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.
- 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.
- Avoid application on the same façade at different times.
- 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.
- 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 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 product is not suitable for protection of horizontal or inclined exterior surfaces, where water may accumulate.
- 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 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.
- The 0.6 mm grading guarantees optimum results only if applied on small surfaces (approx. 10 m²). On external thermal insulation composite systems, this grading is applicable exclusively as an optional decorative layer on the 1 mm graded finish coat.
- 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 make the mechanical strength and colour of the packaging 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.
- Images and graphic representations are purely indicative. The product characteristics and qualities indicated in the technical data sheet 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 project/site (this is however not recommended as per point 6 of these warnings).
- The substrates, preparatory work and application conditions must comply with the standards / uniform technical definitions in force.

RX 561 must only be used as supplied, 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.

An excessive dilution will affect product workability and cause a decline in its characteristics.

Storage

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

Quality

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

Technical Data

Specific weight	1.80 ± 0.10 kg/l
Dilution	Ready-to-use
Classification EN 15824	
Water vapour permeability (EN ISO 7783)	Class V2, medium (0.14 m ≤ Sd < 1.4 m)
Liquid water absorption (EN 1062-3)	Class W3, low (W ≤ 0.1 kg/m ² ·h ^{1/2})
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
Further technical characteristics	
Gradings	0.6 - 1 - 1.5 - 2 - 3 mm
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 24 November 2025, published in the Italian Official Journal on 03/12/2025	Complies with the criteria: 2.4.15 - Paints and varnishes
Certification EPD ***	EPD-IES-0002912:004
EU limit value of VOC content (Directive 2004/42/EC)	Cat. A/c, WB: max VOC 40 g/l product VOC < 40 g/l
(***) This product/service has a certified Environmental Product Declaration (EPD) giving information about the environmental performance, contents and recycling, which has been controlled and verified according to the requirements of the International EPD® System. More information is available at www.environdec.com .	

Consumption

Grading 0.6 mm	
- on fine render, base coats such as A 50, etc.	2.5 - 2.7 kg/m ² approx. (two coats)
- on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc.	3.0 - 3.2 kg/m ² approx. (two coats)
Grading 1 mm	
- on fine render, base coats such as A 50, etc.	2.0 - 2.3 kg/m ² approx.
- on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc.	2.2 - 2.5 kg/m ² approx.
Grading 1.5 mm	
- on fine render, base coats such as A 50, etc.	2.3 - 2.5 kg/m ² approx.
- on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc.	2.4 - 2.7 kg/m ² approx.
Grading 2 mm	
- on fine render, base coats such as A 50, etc.	2.6 - 2.9 kg/m ² approx.
- on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc.	2.7 - 3.4 kg/m ² approx.
Grading 3 mm	
- on fine render, base coats such as A 50, etc.	4.0 - 4.2 kg/m ² approx.
- on float-smoothed base coat render such as KI 7, KC 1, and on base coats such as A 96, etc.	4.2 - 4.6 kg/m ² approx.
The indicated consumption values are to be considered purely indicative. The actual consumption must be checked directly at the building site.	



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 verify 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, ES: asistencia.tecnica@fassabortolo.com, PT: asistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: 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.