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QUARTZ RENDER

Francesco GUARDI Collezione

PRODUCT DESCRIPTION

The quartz render by Francesco GUARDI Collezione is a modern render compound manufactured on the basis of top-quality acrylic resin and strictly selected quartz aggregates. It is resistant to atmospheric conditions, mechanical damage and thermal stress.



INTENDED USE

The quartz render by Francesco GUARDI is designed for thin-coat decorative and protective renders both inside and outside of buildings – including entire façades in single and multi-family housing types. It is great for coating heavy-use areas such as plinths, corridors or stairways, as well as ornamental coating of walls indoors. Quartz render is dedicated for spray application (colours from KAM/001 to KAM/055) and for manual application with a steel trowel (colours from KAM/056 to KAM/069 - STONE EDITION collection).

APPLICATION METHOD

Substrate preparation: The quartz render should be applied on robust, durable and perfectly even substrates, which are clean, dry, and free from greasy stains, dusts, mechanical contaminants and loose aggregates, as well as from biological and chemical aggression. New cement renders should be covered after 3 – 4 weeks of seasoning. Any cavities and irregularities should be patched. Prior to application, a well-dried substrate must be primed with the GUARDI Deco primer in a colour similar to that of the render. Absorbent and dusty surfaces should be primed prior to the application of the GUARDI Deco primer, using Fixgrunt U. Potential signs of biological aggression on the surfaces should be removed by means of Biotox Total. Layers made of the SYNTEKOL® PSW/SYNTEKOL® Q4 adhesive mortar, which provides a reinforcement layer, should be primed after the mortar has set, i.e. at least 3 days after its application if optimum hardening conditions were provided (temperature of +20°C, humidity 60%). The render can be applied after the GUARDI Deco primer has dried, i.e. at least 24 hours after completion of surface priming if optimum drying conditions were provided. The render should be applied only to vertical surfaces without capillary absorption. When applied to partitions insulated with EPS or XPS foam boards, the thickness of the reinforcement layer should be at least 4 – 5 mm.



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Product preparation:

Render for spray application should be diluted with water to approx. 4% (0.8 liters of water for 20 kg of render, 0.4 liters of water for 10 kg of render) and mix thoroughly with a low speed mixer. Do not dilute with other products. Render for manual application (with a trowel) should not be diluted. Before application, check if the colour of the Render complies with the order.

Application method:

Spray application: Before use, dilute the product with water max. up to 4% (for 20 kg of render up to 0.8 litres of water, for 10 kg of render up to 0.4 litres of water) and mix thoroughly with a low-speed mixer. The prepared mass should be applied with a rendering kit recommended by LAKMA. Spray the stream of render perpendicular to the wall surface from a distance of 40-50 cm, preferably in two layers. The spray gun should be guided in a uniform motion on the surface forming a separate whole. Spray in a circular, vertical or horizontal motion, combining the "wet on wet" layers. Apply the second (levelling) layer immediately after the first one or after it is completely dry. Recommended nozzle for gun no. 2 and 3, pressure in the compressor from 4.0 - 5.0 atm.

Manual application with a trowel (only colours from the STONE EDITION collection: KAM/056 - KAM/069): The render should be applied with a stainless steel trowel to a thickness slightly greater than thickness of a grain, and then carefully smoothed so as not to "stretch" the render excessively. If necessary, you may apply a second layer of render, which should then be smoothed with a steel or plastic trowel.

Note: To obtain homogeneous texture, the compound should be applied over the entire working surface, using wet-on-wet coating. Outer surfaces should be shielded from rain for 24 hours. The smoother the surface, the easier the application and the more aesthetic the final effect will be.

Additional information: Due to the presence of natural raw materials, in order to obtain better aesthetic results, we recommend rendering surfaces which constitute a distinct whole in a single working stage, with a material ordered on a one-off basis. The render should be applied at surface and ambient temperatures of +5°C to +25°C, avoiding direct sunlight during both the application and drying of the render. Do not apply when air humidity exceeds 80%. When the render is mixed for too long or at high rotation speeds, the aggregate may be discoloured and the resin foamed.



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TECHNICAL DATA

Application	Spray rendering machine, steel trowel
Number of layers	1 or 2 – depending on the surface
Efficiency	1.9 – 2.5 kg/m ² for spraying method
	2.0 – 2.8 kg/m ² for manual application
Drying time	24 hours
Cleaning of the tools	water
Colour scheme	For spraying method: 56 colours from the Francesco GUARDI colour chart + decorative additives (mica, silicon carbide, metallic chips, and glitter) For manual application: 14 colours from GUARDI STONE EDITION colour chart + decorative additives

The technical data are provided for the temperature of +20°C and the relative air humidity of 60%.

LOGISTICS INFORMATION

Unit package capacity	Number of packages in external packaging	Number of packages on a pallet	Weight of a full pallet
10 kg	N/a	44	440 kg
20 kg	N/a	32	640 kg

STORAGE

12 months from the date of production, in sealed containers, at temperatures from +5°C to +35°C

APPROVALS, ATTESTATIONS, STANDARDS

European Technical Assessment LAKMA TERM ST 16/0384 according to ETAG 004	
Declaration of performance LAK/001/2017	
Notified Body	Technický a zkušební ústavstavební Praha, s.p. – body no. 1020
Certificate of Conformity 1020-CPR-060-0043140	
Reaction to fire classification for 16/0384 according to ETAG004	B – s1, d0



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Flame-spread classification through walls with fire on the elevation side according to 00970/19/R22NZP study report	Nil flame spread
European Technical Assessment LAKMA TERM WM 16/0385 according to ETAG 004	
Declaration of performance LAK/004/2017	
Notified Body	Technický a zkušební ústav stavební Praha, s.p. – body no. 1020
Certificate of Conformity 1020-CPR-060-043138	
Reaction to fire classification for 16/0385 according to ETAG004	A2 – s1, d0
National Technical Assessment ICiMB-KOT-2020/0088 – 2nd edition	
National Declaration of Performance no. LAK/006-2020	
Notified body	Instytut Techniki Budowlanej ul. Filtrów 1 00-611 Warszawa
Factory production control certificate 020-UWB-1013/Z	
Flame-spread classification through walls with fire on the elevation side	Nil flame spread
EN 15824:2009	Specifications for external renders and internal renders based on organic binders
Declaration of performance BL1/4/2017	
Reaction to fire classification for EN – 15824:2009	A2
Hygienic Approval	HK/B/0310/01/2017
Batch number/expiry date/code	On the packaging



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HEALTH AND SAFETY / FIRE PREVENTION INSTRUCTIONS

Apply basic health and safety rules during works.

Non-flammable. Store in closed containers, at temperatures from 5°C to +35°C.

Keep out of reach of children.

Updated 07.10.2022

The information in this Technical Data Sheet is intended to ensure optimum use of the product. However, it does not constitute the basis for legal liability of the Manufacturer, since the workmanship conditions remain beyond its control. The procedures suggested are deemed to be universal. However, each user of this material must do all they can, including verification of the end product, to make sure that the materials delivered are suitable for the particular intended purposes. We accept no liability for the combination of our products with any third-party products. The above-mentioned data, instructions and recommendations are based on our best knowledge, research and experience, and have been provided in good faith, according to the principles applicable in our company and at our suppliers. The Manufacturer reserves the right to make changes in the subsequent editions without prior notification to the consumers. With publication of this Technical Data Sheet, all previous data sheets regarding this product are no longer valid.