

Silicon Resin Plaster Energy Furioso



- > ready for processing
- > extremely water-repellent
- > low contamination
- > permeable



Product description

Ready-to-use, pasty finishing render (thin-layer top coat) with scraped texture for exterior use, tested according to ÖNORM EN 15824 and as part of a system in accordance with ETAG 004. Contains advanced silicone resin and organic binders, mineral fillers, color and white pigments, fibers, additives, and water. Weather-resistant, extremely water-repellent, highly vapor-permeable, low soiling tendency, universally applicable, and easy to apply both manually and by machine.

Universally applicable finishing coat for External Thermal Insulation Composite Systems (ETICS) as well as on old and new mineral renders, filling compounds, concrete, and renovation renders.

Delivery format

Container	Outer packaging	Pallet
25 KG / KE	-	32 KE

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

Processing

Processing

The finishing render must be thoroughly mixed with a mechanical stirrer before application. The application consistency can be adjusted, if necessary, with a small amount of clean water (max. 1%). The render is applied over the entire surface with a stainless steel trowel or sprayed using a suitable fine plaster machine, leveled to the grain thickness, and immediately floated with a plastic float. Do not mix with other coating materials. Work evenly and without interruption.

Technical data

Density	ca. 1,8 kg/dm ³
Grain size	1,5 mm or 2 mm

Colour technology

Consumption	1.5 mm etching structure 2.5 kg/m ² 2.0 mm etching structure 2.9 kg/m ²
Tensile strength	Adhesion strength > 0.3 MPa
Water vapour diffusivity	approx. 60–80
Water vapour permeability	sd: approx. 0.10 m
Fire class	A2 s1 d0
Water vapor flux density	V1
Volatile organic compounds (VOCs)	< 40 g/L
Water absorption coefficient	W < 0.1 (class W3)

Test certificates

Tested in accordance with (standard, classification ...)
ETAG 004

Substrate

Suitable substrates

The substrate must be dry, frost-free, solid, weightbearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally recognised rules of the trade".

The substrate must be checked in accordance with ÖNORM B 2259, B 3346 and B 6410. The evenness of the wall must comply with ÖNORM DIN 18202.

Suitable substrates: mineral substrates, e.g., base renders and filling compounds, concrete, or old renders, etc.

Not suitable: plastics and resins, paint and oil films, glue-based paints, lime renders and lime coatings, wooden and metal substrates.

Substrate preparation:

- Prime strongly or unevenly absorbent surfaces with Murexin Putzgrund Primer.
- Prime chalking or lightly sanding surfaces with Murexin Putzgrund Primer.
- Stabilize strongly sanding or crumbly render surfaces with Murexin Tiefengrund (observe product datasheet).
- Mechanically remove sinter layers.
- Remove formwork oil residues on concrete using hot steam, formwork oil remover, or by sanding.
- Clean contaminated surfaces.
- Treat algae- and/or fungal-infested substrates with a suitable specialist product (e.g., fungicide).
- Remove poorly adhering, weathered coatings.
- Cover damaged or cracked mineral surfaces with a filling compound (e.g., Murexin KlebeSpachtel) and, if necessary, reinforce with Murexin TextilglasGitter.

Product and processing instructions

Material information:

- The properties of the material may be significantly altered if not processed within the ideal temperature and/or humidity range.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.

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Colour technology

- The colour formation is significantly impacted by the environmental conditions.
- Before each further coating, a pot life of min. 24 hours (depending on the temperature and air humidity) is to be kept. It is especially important that the coating produces a uniform, dry appearance without wet patches (dark spots on the facade).
- Facade insulation panels which have been exposed to UV radiation for more than two weeks (yellowed panels) may not be smoothed; you must first grind and dedust again.
- MUREXIN ENERGY FURIOSO features a high quality composition to protect facades against the growth of algae and fungus.

Environmental information:

- Do not process at temperatures below + 5 °C!
- The air, material and substrate temperature must be +5 °C during processing and the setting process.
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect facade from direct sunlight, rain and strong wind (e.g. via scaffolding protection net).
- Protect adjacent components!

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- Observe lightness values (HBW) (not under 25!) for use on thermal insulation systems or heat-insulating plasters.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- The usual precautionary measures for handling chemicals must be observed.
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.

Breathing protection: not required.

Hand protection:

- protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made from stable materials (e.g. nitrile).
- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time is to be obtained from the protective glove manufacturer and complied with.

Eye protection: Protective goggles recommended when decanting.

Body protection: protective work clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

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