Marble pebbles "rough" COLORIT MG 14

gravel for making stone carpets and terrazzo floors

> naturally coloured
> regular grain size, exceptional mechanical properties
> 100% washed, free of organic impurities

Product description

Naturally coloured raw material from marble for the production of stone carpets and terrazzo floors - highly resistant decorative floors. The grain size of the coloured sands is approx. 1.0 - 4.0 mm, except for quartz gravel - which is approx. 3.15 - 5.6 mm. In combination with epoxy and polyurethane resins, the pebbles are used for the production of stone carpets and for the production of floors in the "terrazzo" look.

Delivery format:

Packaging	Outer packaging	Pallet
25 KG / SACK	-	40

Storage and shelf life:
In a cool and dry place, on a wooden pallet, in the originally closed packaging, protected from frost: the shelf life is unlimited.

Processing

Recommended tools:
Low-speed electric mixer, spiral mixer, regular construction mixer, clean mixing container, trowel, masons trowel, leveling bar.

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Mixing:
The open time of the binder to be used must be followed (see technical data sheet for the product in question!). Always mix the binder according to the instructions first, and then add COLORIT MG 14.

NOTE: Uniformity of colour shades can only be ensured if stones from the same or one production batch are used. Therefore, one batch is always used on the same surface.

Processing:
The mixing ratio depends on the desired strength and thickness of the stone carpet (see the technical data sheet for the binder!)
The product is applied to the substrate using a steel trowel. In the case of larger areas, smoothing with a light trowel and low speed (helicopter) is recommended.

Technical data

Density	1.4 kg/dm3
Grain size	1.0 – 4.0 mm
Consumption	for the production of stone carpets at 6 mm thickness approx. 12.5 kg/m2 for the production of "terrazzo" approx. 6 - 8 kg/m2 (depending on the desired look)
Colour	to achieve a uniform look, we recommend mixing individual bags with each other
Grain shape	rounded edges

Substrate

Suitable substrates:
Requirements for mineral substrates:
The substrate must be dry, stable and free of separating, intrinsic and dissimilar substances, pursuant to the IBF Directive - industrial substrates of reaction resin. Residual moisture max. 4 % by weight, measured with the CM device. Substrate temperature greater than 12 °C and 3 K above dew point; adhesive tensile strength on average 1.5 N/mm²; adhesive tensile strength smallest single value 1.1 N/mm²

Before applying epoxy or polyurethane resins, the substrate must be thoroughly prepared with suitable mechanical methods, such as grinding, milling, ball or sandblasting, flame burning, to remove the top layer of the surface and achieve an open surface texture.
In the appropriate mixing ratio, the product can be applied to mineral substrates as well as to a hardened pad in the appropriate thickness (see the installation chapter!). In this case, the substrate must be prepared and hardened according to the expected loads, which means that there must be no subsidence or loosening of the laid final coating. Thus, the pre-preparation of the lower

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structure and the bed before laying the final coating is of essential importance. In the event that the drainage layer is installed on a substrate that must be water-impermeable, it is necessary to perform waterproofing under the drainage layer (the choice of waterproofing depends on the requirements in the project).
In the event that the working surface is trafficable, it is necessary to take into account the appropriate loads when preparing the substrate and the installed final coating.

Product and processing instructions

Material information:
- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- 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.
- The colour formation is significantly impacted by the environmental conditions.
- Open the container carefully and stir the product well!
- Use a scale to mix partial quantities!
- After mixing, reactive resins must be processed as quickly as possible.
- Water-based systems have a limited shelf life after dilution; we therefore recommend processing as quickly as possible.
- In water-based systems, the amount of water specified by the manufacturer may only be added when components A and B are mixed.
- Always allow primers to dry/harden well.
- Observe the development of an odour in solvent-based systems.
- Reactive resins installed at a constant temperature of +20°C can be walked on after 1 day, mechanically loaded after 3 days and chemically loaded after 7 days.
- Discoloration or yellowing of the surface may occur when exposed to UV light and certain chemicals, but this does not affect the functionality and usability of the coating.
- The specified colour names (RAL, NCS, ...) should be understood as a colour description without any connection of the colour tones with the original colour cards.
- If you use different products (on the same object), it is not possible to guarantee an absolute colour match even with the same colour name.

Environmental information:
- Do not process at temperatures below +5 °C!
- 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 against direct sunlight, wind and weather!
- Protect adjacent components!
- The substrate temperature must be at least 3°C above the dew point (Based on the prevailing relative air humidity and air temperature, the appropriate dew point can be determined using the dew point table).
- Protect against contamination (dust, insects, leaves, etc.) during the reaction phase!
- If the time period of 48 hours between the individual work steps is exceeded, intermediate sanding is required!
- In areas exposed to UV, we recommend systems that are resistant to yellowing.
- The substrate must be pre-treated with suitable mechanical processes.

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.
- To avoid visible transitions from several working lanes, they should be processed staggered for longer lengths!
- Mechanical scratches lead to signs of wear.
- Plasticizers (softeners) from car tires can cause discoloration.
- Contact with car tires or other plasticized plastics can cause discoloration, imprints or softening of the surface.
- For defined constructions regarding anti-slip classes, fire classes and decorative surface designs, see the "Service" section at www.murexin.com.

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- In order to reduce the development of temperature, odor and smoke of already mixed, no longer needed remaining quantities, we recommend mixing them with quartz sand in a timely manner!

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

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted. 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. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.si.

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