

AQUA BETONSIEGEL RC 414



- > suitable for tank room coatings
- > good resistance
- > water-dilutable



Product description

Silk-matt concrete coating, water-dilutable, solvent-free, very good bonding to concrete floors, abrasion resistant, good coverage. Weatherproof, resistant to the effects of water, cleaning agents, fuels, mineral oil, diluted acids and lyes, as well as numerous chemicals in the mid-to-long-term. Suitable for painting and application with a roller. Ideally for coating concrete floors, screeds in cellar and utility rooms, laundry rooms and other wet rooms, collection trays for heating oil. Outside for coating balconies and terraces, concrete staircases, etc. Not suitable for garage floors. Finished stock: silver-grey RAL 7001 and pebble grey RAL 7032. Tintable in shade groups 1 - 4. Tintable in 113 RAL and 209 MUREXIN Eurocolours & Essence of Colours colour tones.

Delivery format

Container	Outer packaging	Pallet
10 L / KE	-	36 KE
4 L / KE	-	85 KE
0.75 L / BDO	6	396 BDO

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 730 days

Processing

Recommended tools

Roller, brush.

Clean the tools with water after use.

Processing

Processing takes place by painting or rolling. No priming is necessary on intact concrete sealed surfaces.

The first coat can be mixed with 10 - 20 % of water to enable better penetration into the substrate.

The second coat follows after drying (approx. 2-4 hours).

After drying for one week, the coating can be exposed to a permanent water load. 2-3 coats are recommended.

Technical data

Density	1.25 g/cm ³
Viscosity	approx. 13,000 mPas
Colour	gravel-grey, silver-grey
Consumption	approx. 200 - 250 ml/m ² per coat
Dilution	Water
Drying time	re-coatable at 20°C after 2-4 hrs.

Substrate

Suitable substrates

The substrate must be dry, frost-free, solid, weight-bearing, 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 accepted rules of the trade".

Rust and loose paint residues on metallic substrates are properly removed before application.

Loose paint residues on wooden substrates are removed mechanically. Greyed and weathered wooden surfaces are pre-treated down to the weight-bearing wooden substrate.

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!
- Carefully open the container, remove possible dry parts and shake the product well!
- Water-based systems have only a limited shelf life after dilution with water, which is why quick processing is recommended.
- We basically recommend carrying out an intermediate sanding between the individual applications.

Environmental information:

- 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!
- Do not process at temperatures below 5 °C.

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.
- In principle, use colourless, transparent paints in UV-protected areas only.
- Observe the odours caused by solvent-based systems.
- Check material compatibility with substrates containing plasticisers.
- Watch out for dark yellowing of alkyd-based systems.
- For dimensionally stable components, observe the block resistance of the coating.

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:

- Common safety measures for handling chemicals are to 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 with adequate room ventilation.

Hand protection: protective gloves.

Glove material

- 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.

- Use gloves made from stable materials (e.g. nitrile).

Penetration time of the glove material

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

Eye protection: Protective goggles recommended when decanting.

Body protection: protective clothing.

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.com.