

STONE SEALING SI 90

- > allows colour and structure to appear intensively
- > weather-resistant and yellowing-free
- > dries colourless with long-term protection



Product description

Aromatic-reduced, ready-to-use, solvent-free sealant for the protection of absorbent natural and artificial stones. Penetrates into the pores of the stone and forms a silky, protective film in and on the surface with simultaneous colour deepening. The treated surface is easy to care for and less sensitive.

Indoors and outdoors to improve the appearance, colour, and structure more effectively. A so-called "wet effect" is created.

Delivery format

Container	Outer packaging	Pallet
1 L / KFL	6	378 KFL

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 1800 days

Processing

Recommended tools

Brush, lambskin roller.

Processing

Apply stone seal evenly with brush or lambskin roller. Use clean equipment. Avoid the formation of foam and puddles. The processing is roughly comparable with an impregnation. Durability: indoors several years, outdoors with unfavourable conditions approx. 1 year. Stone seal is yellowing-free and de-icing salt resistant After weathering, it can be re-applied several times (after cleaning).

Technical data

Density	approx. 0.83 g/cm ³
Consumption	1 litre is sufficient for approx. 10 m ²
Drying time	approx. 60 min
Processing temperature	+5°C to +25°C
Appearance	milky white

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 Guideline "Industrial floors made of reactive resin". Residual moisture max. 4 % by weight, measured with the CM device. Substrate temperature greater than 12 °C and 3 K above dewpoint; average adhesive tensile strength 1.5 N/mm²; adhesive tensile strength smallest value 1.1 N/mm²

All absorbent concrete and natural stones, such as granite, limestone, Solnhofener slabs, sandstone, concrete block such as exposed aggregate concrete, and the like are suitable. Not suitable for polished or very finely ground coverings as well as fired materials (clinker, cotto, etc. ceramic tiles).

Limited suitability on heavily trafficked surfaces such as shopping malls (too short service life) and outdoors. If moisture (rising or cracking from above) penetrates beneath the sealing layer outdoors, this can lead to discolouration or flaking of the sealant. For this reason, outdoor use is only recommended in covered areas and the creation of a sample surface, as this provides reliable information about suitability.

Product and processing instructions

Special information:

The areas to be treated must be dried out (for thick-bed laying up to 3 months drying time!) and cleaned. Since the impregnation forms a film, it must be ensured that no moisture is present in the substrate or subsequently rises. (Moisture under the impregnation layer leads to its detachment).

Do not apply in direct sunlight.

Material information:

- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The environmental conditions significantly influence colouring.

Environmental information:

- Do not process at temperatures below + 5°C!
- The ideal temperature range for material, substrate, and air is +15°C to +25°C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay and lower air humidity and/or higher temperatures accelerate drying, setting, and hardening.
- Ensure adequate ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect against direct sunlight, wind, and weather!
- Protect adjacent components!

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values 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

Please refer to the safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions, and disposal.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Observe the usual precautionary measures when dealing with chemicals.
- Keep away from foodstuffs, beverages, and feedstuffs.
- Take dirty, soaked clothing off immediately.
- Wash your hands before breaks and after finishing work.

Breathing protection: not required.

Hand protection: protective gloves.

Glove material

- Nitrile rubber

- 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 found out from the protective glove manufacturer and complied with.

Eye protection: Tightly-sealing protective goggles.

Body protection: occupational protective 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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