SANOSIL
DISINFECTANTS FOR LIFE

MADE IN SWITZERLAND

Sanosil S010

Mildew remover

Ready-to-use solution
for mould control

www.**sanosil**.com

Sanosil S010

Disinfectant for
mould control

... ideal for powerful disinfection of
severely contaminated surfaces

- Highly effective against bacteria, viruses, yeasts, fungi/moulds and spores
- Easy and safe application (ready to use)
- Also effective against mould toxins and allergy-causing proteins by means of oxidation
- Does not cause unpleasant odours
- No alcohol, chlorine/chlorine compounds or QAV
- Does not leave any adhesive residues on the surface
- With catalytically enhanced hydrogen peroxide
- The hydrogen peroxide completely (100%) decomposes into water and oxygen
- Shelf life of over 2 years
- High-quality product made in Switzerland

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Product description

Sanosil S010 is a disinfectant with a high active-ingredient content and long-lasting depot effect that is ideal for removing mould. It is based on the proven Sanosil hydrogen peroxide/silver formulation and does not release any flammable or unpleasant vapours. S010 is therefore suitable for applications with high microbiological loads and increased requirements. Its fast and reliable effectiveness against mould fungi combined with easy and safe handling has been repeatedly tested and confirmed under laboratory conditions and in practice.Hydrogen peroxide is used as the active ingredient. It is also stabilised and its disinfecting effect is catalytically enhanced several times over by adding a minimal amount of silver ions. This process can increase the disinfection effect by up to 800%.

After application, hydrogen peroxide also completely decomposes into water and oxygen. This means that S010 can also be used in sensitive areas, such as bedrooms or children's rooms. The small quantities of silver remaining on the surface after the peroxide has decayed counteract the renewed, fast growth of mould.

Sanosil S010

OVERVIEW

PRODUCT TYPE
Ready to use

SUITABLE FOR
Mould control, disinfection of water damage

EFFECTIVE AGAINST
Fungi/moulds and their spores, bacteria, yeasts, enveloped/non-enveloped viruses, bacterial endospores

SHELF LIFE
2 years

CONTAINS
5g/100g of hydrogen peroxide, 0.005g/100g of silver

Sanosil S010: extra action against mould toxins

Not only can moulds adversely affect health through proteins on the surface of the mycelia and spores that cause allergies, but they can also form strong toxins. The mycotoxins are extremely stable and can enter the body through food as well as through the air.

However, mycotoxins (especially aflatoxin) react very sensitively to Sanosil S010 and are quickly oxidised by it. The allergenic surface proteins on mould components are also denatured by S010.

This provides Sanosil S010 with a special bonus when it comes to effectiveness and makes it superior to many other products.

How it works:

1. The oxygen ($^1O_2$/$^{\cdot}O_2$) released by the hydrogen peroxide attacks the cell walls of the microorganisms. The process of oxidation (cold combustion) denatures and destroys them.

2. The effect is supported by silver ions, which enhance the effect of the peroxide in a catalytic process. They also block the metabolism (where applicable) and the ability of the germs to multiply.

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Mould remediation principles

For successful decontamination you must tackle the root cause!

Even the best mildew remover cannot guarantee lasting success without eliminating the cause of the infestation. Mould spores need moisture to grow. The cause of an increased presence of moisture must therefore be clarified and remedied.

The two most common causes of mould growth in buildings are A) excessive humidity (usually in combination with insulation deficiencies, which then leads to the widespread "grey corners") and B) furniture positioned too close to the outside walls.

Humidity

If there is relative humidity over 65% – measured 1 metre above the floor in the middle of the room at a room temperature of 20 degrees Celsius in autumn/winter – there is a risk of mould due to condensation.

Insulation/below dew point

If the surface temperature in a poorly insulated corner, for example, drops below 13 degrees Celsius under "normal" conditions (20 degrees Celsius, 60–65% relative humidity), condensation can cause mould to form.

Furniture on the outside wall

Large items of furniture, such as cupboards etc. that are closed at the rear and placed against an outside wall should be placed at a distance of 10–15 cm (1 fist width) from the wall.

Sanosil S010

EFFECTIVENESS

STANDARDS / EXPOSURE TIMES

BACTERIA
Bactericidal
EN 16615, high load: 1 min
VAH: high load, with wiping: 15 min
EN 13697, low load, 5 min
EN 13727 high load: 15 min

YEAST
Yeasticidal
EN 16615, high load: 1 min
VAH: high load, with wiping: 15 min
EN 1650, high load: 15 min
EN 13697, high load: 15 min
EN 13624, high load: 15 min

FUNGI
Fungicidal
EN 13697, high load: 15 min
EN 1650, high load: 15 min

VIRUSES
Limited virucide, (enveloped viruses)
EN 14476, low load: 1 min

Virucide (enveloped/non-enveloped viruses)
EN 14476, low load: 15 min
EN 14777, high load: 30 min

Noroviruses
EN 14476, low load: 15 min

MYCOBACTERIA / TBK BACTERIA
Mycobactericide / Tuberculocide
EN 14348, low load: 60 min
BACT. ENDOSPORES
Sporicide
EN 13704, low load: 60 min

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Sanosil S010 – Application

Sanosil S010

Important: always wear protective equipment (eyes and skin protection, P3 dust mask) during mould remediation work and when handling Sanosil S010.

Avoid skin and eye contact with S010 or mould components.

Step 1

Identify the cause of the mould and eliminate it where possible. Otherwise, mould may start to grow again after a while.

Step 2

Moisten mould stains with undiluted Sanosil S010, overlapping their edges by approx. 5–10 cm. It can be sprayed on or applied with a brush. Only apply as much agent as will adhere to the wall without running off in drops. As a rule of thumb, you can assume an average consumption of +/- 50 ml per application and m^2. It must be left on for at least 60 minutes. This will destroy a large part of the mould. If possible, the agent should be left to act for 2–4 hours, although approximately 99% of the wetted mould infestation will have been killed after about 60 minutes.

Step 3

The dead mould components must now be removed from the surface by thoroughly washing, brushing/rubbing them off. Do this ideally with a plastic brush, warm water and detergent so that detached mould particles bind in the liquid and are not stirred up.

Important: do not brush mould components when dry or inhale them.

Step 4

After cleaning, a second disinfection procedure is carried out to effectively kill any mould components that may still be present. Do NOT wash the surface after the second application.

Step 5 (optional)

Follow-up treatment/painting of the surfaces to restore the proper appearance.
For surfaces at risk of re-infestation: coat with a special moisture-regulating coating of Sanosil **Paint 'n dry**. For details, see the product description.

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Paint n’dry

Special anti-mould coating

MADE IN SWITZERLAND

… ideal as a follow-up / preventive treatment for surfaces at risk from mould

- Anti-mould, highly breathable special calcium silicate paint
- Contains no biocidal agents
- With tiny hollow glass beads to increase the surface area
- Moisture and climate-regulating
- High-quality wet abrasion class 2 DIN EN 13300
- Excellent opacity, high pigment content
- Solvent-free, practically odourless (VOC content less than 2 g/l)
- Colour: NCS 300 or RAL 90/10 (standard colour for white interior paint) – tintable
- Easy and safe application (ready to use)
- High-quality product made in Switzerland

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Product description

Sanosil Paint n' dry is a diffusible, breathable calcium silicate coating with climate-regulating and anti-mould properties. It is ideally used to prevent mould from forming and as a follow-up treatment for surfaces that are at risk of mould formation due to condensation. When stirred, the product can be used as an excellent opaque paint.

Paint n' dry is solvent-free and practically odourless (VOC content less than 2 g/l). Sanosil Paint n' dry is a high-quality paint coating that complies with wet abrasion class 2 DIN EN 13300. It does not contain any fungicides or other hazardous contents and is therefore highly suitable as a finishing coat even for rooms with sensitive occupants (small children, people with allergies and patients, etc.).

Paint n' dry

Brief overview

PRODUCT TYPE
Special coating

SUITABLE FOR
Follow-up treatment and prophylaxis of mould damage

EFFECTIVE AGAINST
Condensation on surfaces

SHELF LIFE
Min. 12 months

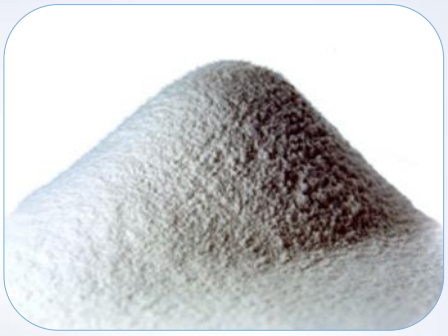
CONTAINS
Special dispersion-based binder, hollow silicate glass beads

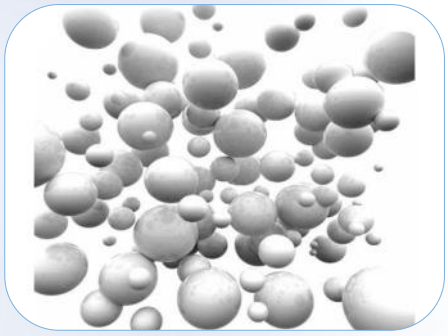
Paint n'dry – how it works:

The climate-regulating effect is achieved by means of microscopically small, hollow silicate glass beads, which substantially increase the surface area of surfaces painted with Sanosil Paint n' dry. This allows moisture in the form of water vapour to be absorbed particularly well, stored and then quickly released again.

This considerably delays the formation of drops due to condensation. Since droplets are no longer formed, the water that the moulds desperately need for growth is no longer available. This hinders mould growth.

In addition, the pH value is increased to approximately 9.5, which also has an inhibiting effect on mould growth.





Hollow silicate glass beads increase the surface area of the painted surfaces and regulate the surface humidity

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Paint n'dry: basic information

Where should Sanosil Paint n' dry preferably be used?

Sanosil Paint n' dry should be used wherever mould repeatedly occurs due to condensation, i.e. in cold corners (physical thermal bridges), on wet room walls and basement walls, etc.

The best effect is achieved where condensation occurs intermittently, but also where moisture can be removed at regular intervals (ventilation and dehumidifier, etc.). Sanosil Paint n' dry is also ideally used for the follow-up treatment / optical upgrading of a surface that has been properly cleaned of mould using Sanosil S010.

Where is Sanosil Paint n' dry less effective?

Sanosil Paint n' dry acts like a sponge. It can absorb and buffer a relatively large amount of moisture. It must, however, also be able to release the water again at some point.

Sanosil Paint n' dry is therefore not an alternative to moisture problems with severely damp walls, e.g. due to rising ground water or accumulated water, seepage through broken water pipes and gutters as well as massive cold bridges. At best, it is a complementary measure for conventional structural methods, such as repairs/sealing or insulation.

Technical data:

Colour:	NCS 300 oder RAL 9010 Tinable	**VOC content:**	< 2g/l (EU limit: 30g/l)
Form:	Pasty	**Diluting agent:**	Water
Gloss level:	Matt	**Contents:**	Special dispersion-based binder, hollow silicate glass beads
Water vapour permeability:	Sd=0.112 m	**pH-value:**	Approx. 9.3
Coverage:	Class 2	**Shelf life:**	Min. 12 months
Wet abrasion resistance:	Classs 2	**Storage:**	In original container, frost-protected
Solid state:	62%	**Container:**	1kg / 5kg

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Paint n‘ dry: processing

Sanosil Paint n' dry is used as a finishing coat and can be applied on all load-bearing substrates, plasters, as well as old silicate/ silicone-resin/water-based coatings. If the substrate is sandy, the primer must first be painted.

Important: the solids/hollow glass beads contained in Paint n' dry will rise during storage and form a relatively solid layer on the surface, which may even show small cracks. This may be interpreted as "dried out" and/or deficient, but it is normal. Paint n' dry only takes on the desired working consistency after careful and thorough mixing and, if necessary, by adding a little water.

Application

The application temperature should be at least +5 degrees Celsius for both the air and substrate during application and drying. Depending on the substrate, 1 litre of Sanosil Paint n' dry is sufficient for approximately 3–4 m^2 with two coats. At 20 degrees Celsius and 65% humidity, Sanosil Paint n' dry can be recoated after approximately 6 hours.

Additional measures to prevent mould growth after disinfection

Sanosil Paint n' dry helps to balance the room climate. The moisture is distributed more evenly. There is much less condensation at specific points. A Sanosil Paint n' dry coating is still no substitute for regular monitoring of the relative humidity using a digital hygrometer and, if necessary, reducing it through ventilation or a dehumidifier.

A climate with 50 – 55% relative humidity is ideal.

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