

## Universal Disinfectant 542

special fungicide and algicide concentrate, water-dilutable,  
colorless, for exterior and interior use



### Field of Application

For effective disinfection of areas affected by algal infestation and mold (after cleaning and drying the substrate). The ideal basis for film-preserved coatings against the emergence of mold and algal infestations when used on surfaces treated with Universal Disinfectant 542.

### Properties

- for interior and exterior use
- water-dilutable
- a fungicidal and algicidal compound (concentrate)
- combats algae and fungus
- any spores remaining after cleaning are killed

### Material description

<b>Color shade</b>	colorless
<b>Base material</b>	watery microbiocide solution
<b>Active agent concentration</b>	Contains 50 g/ltr. of quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides. (as concentrate)
<b>BAuA</b>	Reg.-Nr. N-47540
<b>BAG</b>	Reg.-Nr. CHZN 0856
<b>Density</b>	approx. 1.0 g/cm <sup>3</sup>
<b>Packaging</b>	1 l, 5 l plastic bottle (concentrate)

**Use Universal Disinfectant 542 carefully. Always read the label  
and product information before use.**

## Use

<b>Mixing ratio</b>	1 portion of Universal Disinfectant 542 to 2 portions of water.
<b>Thinning</b>	Only mix with water as specified.
<b>Tinting</b>	No tinting.
<b>Compatibility</b>	Do not mix with other materials.
<b>Application</b>	Universal Disinfectant 542 is applied generously on the cleaned, dry surface using a brush. Do not re-wash.
<b>Consumption</b>	Approx. 50 to 70 ml of concentrate per m <sup>2</sup> . Approx. 150–200 ml/m <sup>2</sup> disinfectant solution per coating. Determine exact consumption by way of a test application on the object.
<b>Application temperature</b>	Do not apply if air or object temperature is under +5 °C.
<b>Tool cleaning</b>	Immediately after use (with water)

## Drying (+20 °C, 65 % relative humidity)

Ready for application of next coat after allowing the surface to dry, after 1 day at the earliest. In the case of lower temperatures and/or higher atmospheric moisture, allow for longer drying time. Ensure proper ventilation during drying.

## Storage

Store in the original container, in a cool, dry, frost-free, and well-ventilated place. Do not store in break or common rooms. Reseal opened containers tightly.

## Declaration

<b>Warning</b>	May be corrosive to metals. Causes severe chemical skin burns and severe eye damage. Very poisonous to aquatic organisms, with long-term effect.
<b>Safety advice</b>	Keep out of the reach of children. Do not breath in vapor. Avoid release into the environment. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a poison center or doctor. In the event of contact with the eyes: Carefully rinse with water for several minutes. If possible, remove contact lenses (where applicable). Continue rinsing. In the event of contact with the skin (or hair): Immediately remove all contaminated clothing. Rinse skin with water [or shower]. Wipe up any spilled quantities. Take the contents/container to an approved disposal company or local collection point.
<b>Product code</b>	GD40 Comply with the specifications in the current Safety Data Sheet.

## Coating build-up

### Substrate preparation

The surface must be dry, solid, clean, load-bearing and free from efflorescence, sinter layers, separating agents, corrosion-promoting components or other intermediate layers affecting the adhesion. Check existing coatings for their suitability, load-bearing capacity and adhesive properties. Remove defective and unsuitable coatings thoroughly and dispose of them in accordance with the applicable regulations. Remove any existing microorganism infestation thoroughly, e.g. high-pressure cleaning, manual or mechanical (wet) cleaning. Properly remove interior mold infestations in line with the guide "Zur Vorbeugung, Erfassung und Sanierung von Schimmel in Gebäuden" (For prevention, identification, and remediation of mold in buildings), published by the German Federal Environment Agency. Treat replastered areas with a fluorine primer. Also see VOB Part C, DIN 18363, Section 3.

### Coating build-up, exterior and interior

Substrates	Disinfection	Top coat
intact, affected substrates, e.g. plaster, concrete, clinker and sandlime brickwork, intact facade coats	Apply Universal Disinfectant 542 generously after surface pretreatment (do not re-wash)	Depending on the requirements and selection, with appropriate fungicidal enamel paints, woodstains, emulsion paints and renders

## Notes

### Moisture and mold

Existing moisture stains and/or mold are to be properly eliminated or removed prior to use. In this regard, we refer you to the guide on "Zur Vorbeugung, Erfassung und Sanierung von Schimmel in Gebäuden" (For prevention, identification and remediation of mold in buildings), published by the German Federal Environment Agency. It is available for download at: <https://www.umweltbundesamt.de/publikationen>

### Only on a dry substrate

Before application of Universal Disinfectant 542, suitable substrates must be sufficiently dry (one day to dry is often not sufficient).

### Use in interior areas

During application and drying, ensure proper ventilation. Keep out of direct contact with food.

### Do not use as an additive

Do not use as an additive for subsequent fungicidal/algicidal application of enamel paints, woodstains, emulsion paints and renders.

### Further information

Follow the instructions in the data sheets of the products used.

## Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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