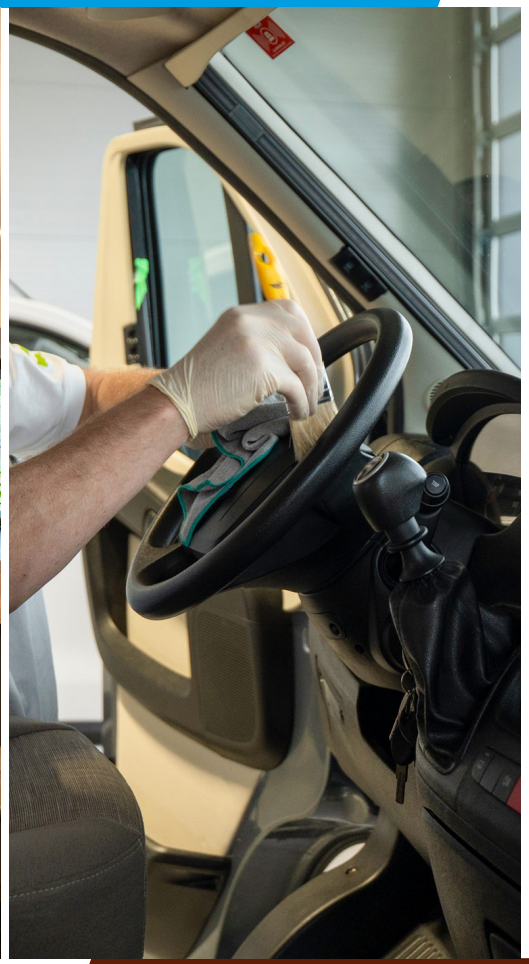






MADE
IN
GERMANY

ersto HYGIENE SYSTEM

Biocide-free hygiene solutions for demanding interior spaces, technical areas & hygiene-sensitive environments



PRODUCT PROFILE

Cleaning | Protective film technology | Long-term prevention

The ersto Hygiene System is a professional product range from the ERST Group for cleaning, microbe-inhibiting surface treatment and sustainable prevention in moisture-exposed, hygiene-sensitive & technically demanding areas – particularly where moisture, organic residues or recurring mould and microbial contamination may affect surface hygiene.

With its three coordinated components **erstoclean, erstosan & erstoshield,** the system offers flexible solutions for a wide range of requirements – from thorough cleaning and extensive, sprayable or foggable hygiene-protective treatment through to longer-lasting prevention in critical moisture-exposed areas.

WHEN SURFACES BECOME HYGIENICALLY UNSTABLE

Moisture, condensation, organic deposits, grease, dirt films and restricted air circulation can have a lasting impact on the hygienic stability of surfaces.

Especially in interior spaces, technical areas and hygiene-sensitive environments, these factors can create conditions that may encourage recurring microbial contamination, odour problems or mould formation.

Typical problem areas include:

- increased moisture exposure
- condensation
- organic residues
- grease, oils and dirt films
- hard-to-reach surfaces
- recurring mould or microbial contamination
- hygiene-sensitive working and processing areas
- air-conditioning, ventilation and air circulation systems, e.g. in buildings, installations and vehicles

In such areas, conventional cleaning and hygiene measures often provide only short-term effects – especially where surfaces are permanently exposed to moisture, difficult to access or sensitive in terms of material compatibility.

BIOCIDE-FREE HYGIENE SOLUTIONS WITH A SYSTEM

The ersto Hygiene System follows a systemic approach: it combines cleaning, microbe-inhibiting surface treatment and long-term prevention in a flexible hygiene concept.

The product range is based on a biocide-free, biophysical mode of action using special chitosan biopolymer complexes.

Instead of aggressive oxidative chemistry, the system supports the inhibition of mould and microorganisms through material-friendly protective film technology.

The focus is not on a short-term individual measure, but on the sustainable support of hygienically stable surfaces.

THE SYSTEM LOGIC

1. Cleaning
Removal of grease, organic residues and dirt films.

2. Protection
Microbe-inhibiting surface treatment through protective film technology.

3. Long-term prevention
Targeted prevention in moisture-exposed and critical areas.



THE THREE
SYSTEM COMPONENTS







erstoclean

Strong grease-dissolving system cleaner

For professional cleaning and preparation of surfaces.

erstoclean supports the removal of grease, oils, resins, waxes, organic residues, dirt films and moisture-related deposits.

Function: Cleaning & preparation

erstosan

Biocide-free hygiene protection

For microbe-inhibiting surface treatment, regular system care and hard-to-reach areas.

After application, erstosan forms a thin protective film that supports the hygienic stability of the surface.

Function: Hygiene protection & system care

erstoshield

Biocide-free long-term protection against microbes

For moisture-exposed, critical or recurringly stressed surfaces.

erstoshield is the long-term component of the system and is particularly suitable for areas with increased prevention requirements.

Function: Long-term prevention und microbe protection

erstoclean

Strong grease-dissolving system cleaner

erstoclean is the cleaning component of the ersto Hygiene System.

The system cleaner has been developed for the thorough preparation of hygiene-sensitive surfaces.

It supports the removal of:

- grease and oils
- organic residues
- dirt films
- moisture-related deposits
- resins
- waxes
- microbiological surface contamination

A thoroughly prepared surface is the basis for every subsequent hygiene or prevention treatment. Particularly in moisture-exposed and technically used areas, residues may impair the effectiveness of subsequent protective measures.

Typical applications:

- sanitary and washroom areas
- technical and utility rooms
- ventilation and air-conditioning areas
- machinery and plant environments
- commercial surfaces
- storage and logistics areas
- surfaces exposed to grease, oil or dirt contamination
- preparation before applying erstosan or erstoshield

Role in the system

erstoclean prepares. It creates the cleaning basis for microbe-inhibiting protective films and long-term prevention.





erstosan

Biocide-free hygiene protection for surfaces & hard-to-reach areas

erstosan is the flexible hygiene protection component of the ersto Hygiene System.

After application, a thin microbe-inhibiting protective film forms on the treated surface. This supports hygienic stability and can help counteract rapid recontamination.

erstosan is particularly suitable for:

- regular hygiene-protective treatments
- hard-to-reach areas
- technical zones
- ventilation and air-conditioning systems
- machinery and plant areas
- angled or complex surfaces
- areas requiring regular maintenance

Depending on the technical specification, erstosan can be applied extensively, sprayed on or finely distributed by cold fogging.

Important application note

The applied protective film may be mechanically reduced or removed by intensive subsequent cleaning. For this reason, erstosan is particularly suitable for repeatable, interval-based hygiene-protective treatments and for areas that require regular system care.

Role in the system

erstosan protects and stabilises.

It complements cleaning with a microbe-inhibiting protective film and is particularly suitable for regular applications & hard-to-reach areas.

erstoshield

Biocide-free long-term component for critical moisture, edge, connection, detail and problem zones

erstoshield is the long-term component of the ersto Hygiene System.

The gel-based product has been developed for moisture-exposed, critical or recurringly stressed surfaces where a longer-lasting microbe-inhibiting preventive treatment is required.

After thorough preparation, erstoshield is applied thinly to the surface. The product structure supports the formation of a microbe-inhibiting protective area and contributes to the longer-lasting stabilisation of suitable surfaces. It is particularly suitable for areas with increased prevention requirements.

Typical applications:

- edge, connection, joint, detail and problem zones
- porous or permanently stressed surfaces
- transition areas
- moisture-exposed wall and ceiling areas
- sanitary and washroom areas
- basements and ancillary rooms
- areas with condensation
- surfaces with recurring mould contamination

Differentiation from erstosan

erstosan is ideal for thin protective films, regular applications and hard-to-reach areas.

erstoshield is the stronger long-term component for directly accessible, critical and moisture-exposed surfaces.

Role in the system

erstoshield supports long-term prevention.

It is used where surfaces are permanently stressed and where there is an increased need for prevention.



APPLICATION SYSTEM

Flexible use – individually, in combination or as a complete system
Not every application automatically requires all three components.

The ersto Hygiene System is designed to adapt flexibly to the surface, the level of exposure and existing hygiene structures.

Basic cleaning & preparation

erstoclean
For the removal of grease, oils, organic residues and dirt films.

Regular hygiene-protective treatment
erstoclean + erstosan

For surface care, hard-to-reach areas as well as spray and fogging applications.

Long-term prevention in critical areas
erstoclean + erstoshield

For moisture-exposed surfaces, recurring contamination and areas with increased prevention requirements.

Comprehensive system treatment
erstoclean + erstoshield + erstosan

For applications where directly accessible critical surfaces and hard-to-reach technical areas are to be treated in combination.

APPLICATION AT A GLANCE

The system treatment

Step 1: Cleaning with erstoclean

Before any protective or preventive treatment, the surface is thoroughly cleaned. Coarse soiling should first be removed dry. erstoclean is then applied and the surface is treated with suitable cleaning aids.

For stubborn soiling, the process can be repeated. Excess product or moisture is then removed.

Step 2: Long-term prevention with erstoshield

For critical, moisture-exposed or recurringly stressed surfaces, erstoshield can be applied thinly after cleaning.

After drying, the surface can be used again depending on the area and the technical specification.

Step 3: Hygiene protection with erstosan

erstosan is used for microbe-inhibiting surface treatment and supplementary system care.

It can be applied to directly accessible surfaces or, in hard-to-reach areas, sprayed on or finely distributed by suitable cold fogging technology, depending on the technical specification.

Note

Detailed processing parameters, protective measures, exposure times and technical specifications can be found in the respective product information, safety data sheets & application instructions.



AREAS OF APPLICATION

Developed for demanding interior spaces, technical areas and hygiene-sensitive environments

Buildings & interior areas

- residential and commercial properties
- wet rooms
- sanitary areas
- basements and ancillary rooms
- condensation-exposed wall and ceiling areas
- high-traffic interior spaces

Technical & operational areas

- technical rooms
- utility rooms
- ventilation and air-conditioning systems
- machinery and plant areas
- storage and logistics zones
- commercial surfaces
- moisture-exposed working areas

Hygiene-sensitive working and processing environments

- washing and cleaning areas
- hygiene-sensitive working environments
- moisture-exposed processing areas
- areas with organic residues
- interior areas with increased microbial contamination potential
- working environments with increased surface hygiene requirements

PROPERTIES & BENEFITS

Why choose the ersto Hygiene System?

The ersto Hygiene System combines professional cleaning performance, biocide-free protective film technology and a flexible prevention logic.

Your benefits

- biocide-free microbe and mould inhibition
- material-friendly protective film technology
- developed for moisture-exposed & hygiene-sensitive areas
- strong grease-dissolving cleaning component
- suitable for surfaces, technical areas & hard-to-reach zones
- no aggressive oxidative chemistry required
- odour-neutral after application
- biodegradable active ingredient base
- development and production in Germany
- flexible use as an individual product, supplementary component or complete system concept

Particularly suitable where …

- conventional biocides are not desired
- aggressive oxidative chemistry should be avoided
- surfaces must be treated in a material-friendly way
- moisture and condensation occur regularly
- mould or microbial contamination is a recurring issue
- hard-to-reach technical areas need to be included
- sustainable hygiene prevention is required instead of short-term individual measures



Find the right system solution

With erstoclean, erstosan and erstoshield, the ersto Hygiene System offers a flexible solution for cleaning, microbe-inhibiting surface treatment and long-term prevention.

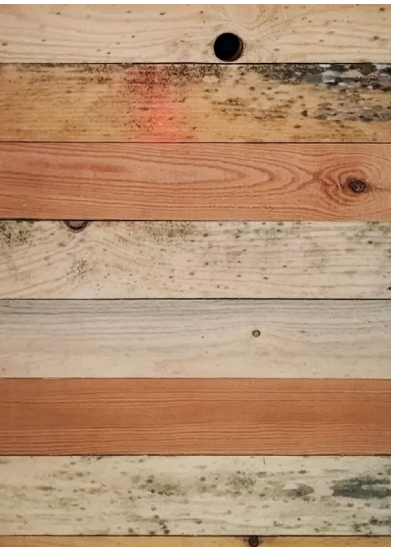
Whether used as a complete system treatment or as a targeted addition to existing hygiene, cleaning and maintenance concepts, the ersto Hygiene System supports hygienically stable, material-friendly treated and sustainably protected surfaces in demanding interior, technical and hygiene-sensitive areas.

Get expert guidance

Together, we can assess which system component or combination is best suited to your application.

ERST

Professional product and system solutions for hygiene, prevention and surface protection.





CONTACT

ERST GmbH
Aiterhofener Str. 4
94330 Salching, Germany
+49 9426 76 33 033
info@erst.de
www.erst.de