

Inhibits bacteria and mould growth for up to 12 months*



SIQURA™ CRX MOULD KILLER & PROTECTANT

SIQURA™ CRX Mould Killer and Protectant is an ultra concentrated or ready to use advanced solution that inhibits mould and protects surfaces for up to 12 months. **SIQURA™ CRX** is noncorrosive and is easy to use.

Use **SIQURA™ CRX** to control mould growth inside homes, buildings, boats, cars, caravans, synthetic grass – wherever mould takes hold.

SIQURA™ CRX is ideal for pretreating building materials for mould resistance during construction or renovation.



Quatlock™ Advanced Antimicrobials



Inhibits mould for up to 12 months



Ideal for use around people, plants and pets



Colour safe, ideal for textiles and other soft furnishings



Alcohol, Peroxide and Bleach free

*Durability is dependent on application protocols, substrates & environmental conditions. Please refer to the TDS

The MOULD colonisation of environmental surfaces in our homes, offices, hospitals and other buildings can produce infective, allergenic, and toxigenic risks for occupants.

Traditional disinfectants are only doing half the job. While they may kill what's on the surface, they do absolutely nothing to defend against what is to come. Most disinfectant products evaporate after a short period of time, leaving surfaces vulnerable to recontamination, meaning that no matter how frequent your cleaning cycle is, it's impossible to keep up with recontamination.

Mould is not only unsightly, but it can also eat away at the surfaces it lives on, causing structural damage. Exposure to mould can also cause a number of health issues, and may be especially harmful for people with allergies or weakened immune systems.

Mould and its spores can be found almost anywhere, but active mould growth requires moisture. You may initially notice the presence of mould due to its musty scent, or by spotting patches of black, brown, yellow, pink, green, fuzzy growths.



HOW DOES SIQURA™ CRX MOULD KILLER & PROTECTANT WORK?

SIQURA™ CRX Mould Killer & protectant contains a two anti mould agents. One acts to kill mould on contact the other is a unique unique active ingredient called **QUATLOCK™**.

SIQURA™ CRX Mould Killer & protectant is applied onto surfaces by spraying, wiping scrubbing or dipping. The actives go to work killing mould and as it dries, the Quatlock forms an organo-silane matrix of electrostatically charged spikes that bonds to the treated surface. The surface bound **QUATLOCK™** kills the mould that makes contact with the surface. Unlike all non-bound mould inhibitors, **QUATLOCK™** does not leach from (or leave) the treated surface. Because the **QUATLOCK™** isn't consumed in the process, it remains continually ready to defend surfaces for up to 12 months*

- ✓ Solvent-free
- ✓ No chlorine
- ✓ No bleaches
- ✓ No carcinogens
- ✓ Non-oxidative
- ✓ Non-flammable
- ✓ Bio-friendly

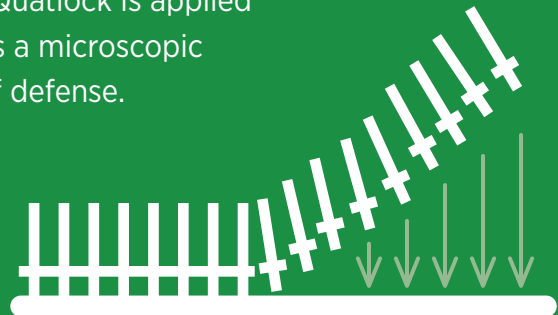
HOW DOES QUATLOCK™ TECHNOLOGY WORK?

When **QUATLOCK™** is applied to a product it forms a microscopic defensive shield.

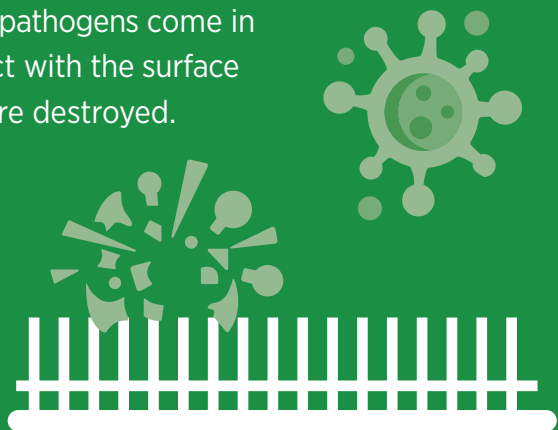
The antimicrobial component of Quatlock is called a Silane Quat and it acts like a tiny electrical spear. When a microbe comes in contact with it, a very small electrical interaction occurs and the microbe is destroyed.

Unlike many antimicrobials, the Quatlock layer is not consumed during disinfection, allowing it to defend products for long periods of time without depleting in effectiveness.

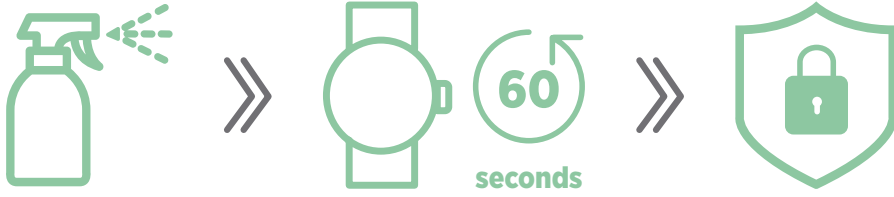
1 Application
When Quatlock is applied it forms a microscopic layer of defense.



2 Protection
When pathogens come in contact with the surface they are destroyed.



HOW DO YOU USE SIQURA™ CRX MOULD KILLER & PROTECTANT?



- 1** Ensure the surface is clean and dry. Spray or wipe **SIQURA™ CRX** ready to use or diluted concentrate over the entire surface making sure it is completely covered.
- 2** Allow to air-dry. Do not wipe surface as this will remove the coating before it's had a chance to bond. Once dry, the **QUATLOCK™** is locked onto the surface.
- 3** Surface is now secured and will defend against mould growth for up to 12 months*

IDEAL FOR USE WITHIN

HEALTHCARE

Hospitals & Medical Clinics,
Community Centers

EDUCATION

Childcare, Schools,
Universities

HOSPITALITY

Restaurants & Cafes

PUBLIC TRANSPORT

Buses, Trains, Trams

LIFESTYLE

ENVIRONMENTS

Gyms & Fitness Centers

RETAIL SPACES

Counters, Fittings

HOMES

Furniture, Floors, Fixtures,
Carpets, Aircon systems,
Pathways, Driveways

VEHICLES

Cars, Vans, Trucks, Buses

CONSTRUCTION

Timber, Gyproc, Masonry

LANDSCAPING

Gravel paths, Artificial turf

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Testing

STUDY 1 FABRIC

Test report M21-079-G21

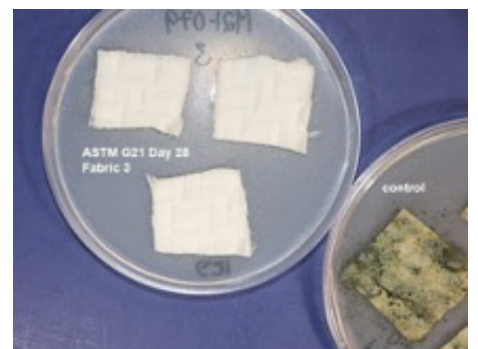
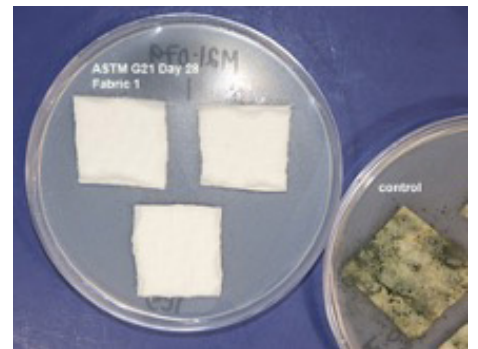
ASTM G21 was used to assess each sample against a mixed fungal spore inoculum. Samples were reviewed weekly for 28 days

Images shown are samples of the fabric that have been treated with SIQURA™ CRX, and left exposed for 6 months

After 6 months the samples were exposed to fungal spores for 28 days.

Under these test conditions, all three fabric samples labelled Fabric 1, Fabric 2, and Fabric 3 resisted mould colonisation.

Whereas the positive control mould viability plates showed heavy mould growth (see report photos).



STUDY 2 PLASTERBOARD

Painted and unpainted reverse side of plasterboard.

Exposed to 2 x weekly simulated flood water exposures.
(Garden Soil / Water / 5% Skim Milk).

Incubated at 27°C for 90 days.

Images shown are samples of plasterboard that have been treated with SIQURA™ CRX.

Under these test conditions, the plasterboard samples resisted fungal colonisation at Day 90 (see report photo).

Whereas the positive control is completely covered in heavy mould growth.



STUDY 3 FOAM

Test report M22-180-G21

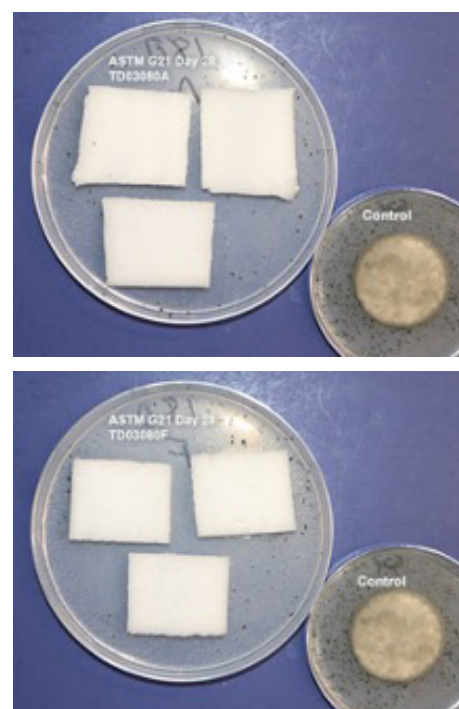
ASTM G21 was used to assess each sample against a mixed fungal spore inoculum. Samples were reviewed weekly for 28 days.

Images shown are samples of bedding and upholstery foam that have been treated with SIQURA™ CRX, and stored for 12 months.

After 12 months the samples were exposed to fungal spores for 28 days.

Under these test conditions, the foam samples labeled TD03080A and TD03080F resisted fungal colonisation at Day 28 (see report photo).

Whereas the positive control is completely covered in heavy mould growth.



HOW WE KNOW IT WORKS?

Many studies evaluate the effectiveness of a class of antimicrobial agents that covalently bond to surfaces and are not chemically reactive with the microbial cells. This antimicrobial, (3-trimethoxysilyl propyl dimethyl octadecyl ammonium) is a key component of **SIQURA™ CRX**, produces an anti mould active surfaces on a variety of substrates.

The effectiveness of **THE SIQURA CRX CHEMISTRY** has been studied and reported in peer reviewed studies over several decades.



PEER REVIEWED SCIENTIFIC STUDIES

Improved Control of Microbial Exposure Hazards in Hospitals: A 30-Month Field Study

R.A. Kemper¹, L. Ayers², C. Jacobson³, C. Smith⁴, and W.C. White⁵

The data from this study show that significant control of airborne microorganisms results from the modification of interior building surfaces with an organosilicon antimicrobial. Even when evaluated under severe environmental conditions, the antimicrobial activity of these modified surfaces provides substantive reduction of airborne microbial concentration.

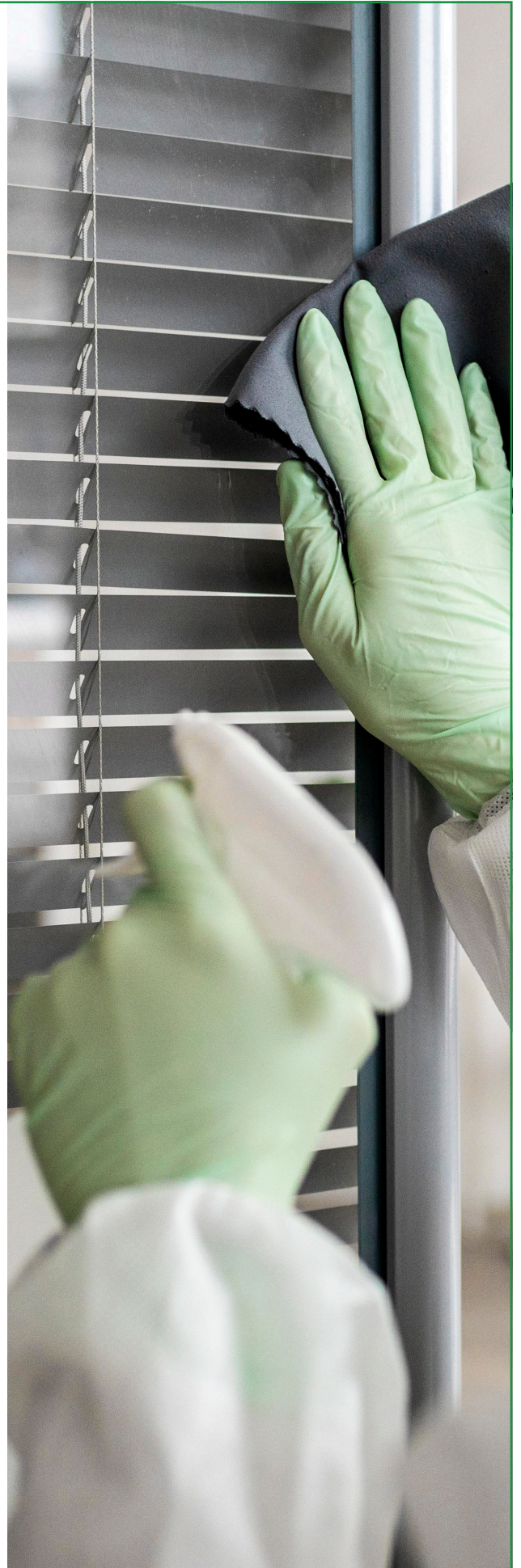
The initial reduction of airborne microorganisms and the sustained control of microbial levels during the 30 months of this study are unprecedented in the literature. When viewed collectively, the safety, efficacy, and durability of this technology provide a unique opportunity to control the risks associated with microbial contamination in buildings.

PEER REVIEWED SCIENTIFIC STUDIES

Fungal remediation and protective antimicrobial treatment of a ten story grossly contaminated hospital.

Kumar S, Satish Bakhda and White WC

With the continuing increase in the number of severely immunocompromised patients, hospitals are faced with the growing problem of invasive aspergillosis and other opportunistic fungal infections. Since treatments of these infections are difficult and outcome is often fatal, preventive measures are of major importance in the control of invasive filamentous fungal infections. Data from the study indicates that surfaces modified with a silane antimicrobial (SiQuat) provides substantive reduction of airborne microbial concentration even in extreme environmental conditions with sustained control of microbial levels and provides a cleaner, healthier environment of care. When viewed collectively, the safety, efficacy, and durability of this technology provide a unique opportunity to control the risks associated with microbial contamination in buildings without continuous care of the hard-to-reach surfaces.



SIQURA™ CRX PRODUCT RANGE



CODE	PRODUCT	PACK SIZE
SQ-420	CRX RTU 750ml	Box 12
SQ-431	CRX RTU 5Ltr	Box 2
SQ-423	CRX RTU 20ltr	Drum
SQ-321	CRX Concentrate 1lt	1 Bottle
O-3119	CRX Concentrate 5ltr	1 Drum
O-3188	CRX Concentrate 20ltr	1 Drum

REGIONAL REGULATION & CERTIFICATION: Each country has its own specific laws concerning the regulation of chemicals and allowable product claims that can be made. Consult local laws when considering allowable treated article claims that can be made. Not all claims are allowable in every market.