



THE MOULD DOCTOR

■ Inspect ■ Correct ■ Protect

INFORMATION BOOKLET

Phone: 1300 944 595 | Email: info@themoulddoctor.com.au | www.themoulddoctor.com.au

OUR PROVEN PROCEDURE

1. INSPECTION

Once we receive the quote request our client services team will call and schedule the initial inspection.

During the inspection, we assess the areas that have visible mould, take moisture and humidity readings and check for any obvious building defects that may be allowing moisture ingress.

2. REPORTING

Following the inspection, we forward a detailed findings report with recommendations and a quote for the mould remediation and preventive options.

3. MOULD REMEDIATION

Step 1 - Mould Removal

Eliminate the visible mould, micro clean and sanitise the rooms affected by mould. Our proven products penetrate the surface and in most cases will remove mould staining without damage to the plaster, timber or brickwork. The process will restore the finish to its original state without the need to repaint.

Step 2 - Decontamination Fogging

The fogging machine will mist the non-hazardous decontamination product throughout the entire living space.

The airborne mould spores and other bacteria will be eliminated to provide a safe and healthy living space.



BEFORE



AFTER

MOULD AFFECTED CONTENTS

The Mould Doctor can remove mould from, jackets, shoes, bags, and furniture. In most cases we can restore the items to the pre-affected state without damage or discoloration.



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER

AMAZING RESULTS!



THE FOGGING PROCESS

WHAT IS FOGGING?

When a Mould Doctor technician refers to fogging, it is the process by which we apply our fogging product to the property.

Our fogging product is misted in to the air using a spray device. This ensures greater and more consistent coverage of the property. The mist is very similar to the steam created from a hot shower.

WHY FOG THE ENTIRE HOUSE?

The simple answer is that mould spores spread. They are carried and transported from room to room on your clothing and are present in the air. If the entire property is not fogged, then the mould will most likely return when the right conditions present.



OUR PRODUCT

Microbiological testing of the fogging product was undertaken at Monash University. Testing was completed using the standard broth dilution method for bacterial and fungal strains.

The minimum inhibitory concentration (MIC) and the minimum bactericidal concentrations (MBC) and minimal fungicidal concentrations (MFC) were established against various airborne bacteria and fungi.

The bacteria and fungi are airborne, meaning they are able to travel through air and can cause infections in people through various means, inhalation, direct contact or ingestion of the pathogen.

The testing by a 'standard broth dilution method' is a procedure that measures the growth of bacteria in a liquid form at the stated concentrations. The modified macro dilution method is a method for identifying fungi in a liquid form.

The broth that contains the microbes is read by determining growth (G), no apparent growth (NAG) or no growth (N). The minimum inhibitory growth of the tested microbe is measured by turbidity in the broth solution. MIC is the point that no further replication of microbes occurs. On each test, the last 3 dilutions that showed no apparent growth were plated out so that the minimum bactericidal rate (MBC) could be identified. i.e. the point that the product kills the organism.

Below is an explanation of the organisms tested, the diseases or ailments that they can cause.

MOULD STRAINS

- **Trichophyton rubrum** can cause skin diseases such as Athlete's Foot, Tinea and ring worm of the nails, beard and groin.
- **Trichophyton mentagrophytes** can cause dermatomycoses, i.e. body ringworm, nail ringworm, groin ringworm, beard ringworm and Athletes foot.
- **Aspergillus niger** can cause Pneumonia in immunocompromised patients, skin infections in burn victims, corneal and external ear infections.

To conclude, it is apparent that the growth of all bacteria and fungal strains tested were inhibited by the concentrations of the fogging product. concentrations and eliminated the majority of the bacteria tested. Also, bacterium eliminated include Legionella pneumophila, the bacterium responsible for Legionnaires disease.

Complete testing report is available on request.

Mould avoiders: The Aussies going to extreme lengths to treat chronic illness

For the past two years Richard Barry has lived a nomadic, solitary existence, camping up and down the east coast of NSW in a tent. The panoramic ocean views are spectacular, but many days he is too ill to enjoy them.

He spends much of his time in a state of hypervigilance, scrupulously monitoring his surroundings to avoid an adverse reaction that could send his health spiralling downhill.

Richard Barry has spent the last two years on the road and living in a tent in a bid to avoid mould.

Simply going into a “bad” Woolworths to buy a meal or talking to the “wrong” person can be enough to set his body off, he says.

Mr Barry, 32, is a “mould avoider”, one of a small but growing number of people in Australia who believe the toxin is causing them to become severely ill and going to extreme lengths to avoid it.

As with almost all mould avoiders, Mr Barry spent many years in the mainstream medical system seeking an answer to his chronic illnesses.

“I was diagnosed with chronic fatigue syndrome when I was 17. I went down the rabbit hole with a lot of doctors and specialists trying to recover my health,” he tells nine.com.au.

Although he had no idea at the time, Mr Barry believes his first exposure to mould began when his family moved into a home in Balgowlah, on Sydney’s northern beaches. It was where he spent all of his teenage years.

“A lot of the symptoms I had at that time are now what I correlate to mould exposure. The house itself had very high humidity. We had DampRids filling up in no time. Mould would grow on clothes very quickly and there was just a lot of superficial mould in the bathroom,” he said.

Mr Barry became ill when he was a teen, and at 17 was diagnosed with chronic fatigue syndrome.

Later, there would be more diagnoses from a specialist in chronic illnesses - myalgic encephalomyelitis (ME) and also multiple chemical sensitivity (MCS).

But despite doing his best to follow the advice of his specialist on how to manage the illnesses, Mr Barry’s health continued to decline. For many years, Mr Barry said he simply did his best to muddle through.

“I had a fallacy that being young and athletic meant I would wake up one day and everything would be fine. And essentially I just tried the mind-over-matter approach for many years, to no effect.”

Then, five years ago, Mr Barry moved into an apartment in Bondi and his health took another turn for the worse.

“I began to get really intense neurological symptoms. I could barely talk. I was stammering. I was fully housebound. I couldn’t walk to the end of my street. My brain shut down. I literally couldn’t remember what year it was.”

Like the house in Balgowlah, the Bondi apartment was also riddled with mould, he said.

“When I lived in Bondi, the entire time I was there, there was black mould which had begun to sprawl across my bathroom.”

It wasn’t until Mr Barry moved down to Woodend in Victoria to live with his father that he had any relief.

“Moving caused a revolution in my health overnight. I went from chronic insomnia, not being able to sleep at all, night upon night, and overnight I got down there and I began sleeping perfectly.

“My energy instantly picked up and I began going for walks.”

The possibility that mould could be behind his ill health had long been a “niggling thought” at the back of his mind, Mr Barry said.

“I had come across mould online and in a few groups where people believed that mould is the underlying cause of CFS, Lyme disease and a bunch of illnesses, which I found really far-fetched and outlandish.

“I had come across that sentiment for years and I just completely neglected it. I thought these people have lost it.”

But Mr Barry began to explore the idea further, avoiding mould where he could and seeing a vast improvement in his health, despite the home he was living in not being completely mould-free.

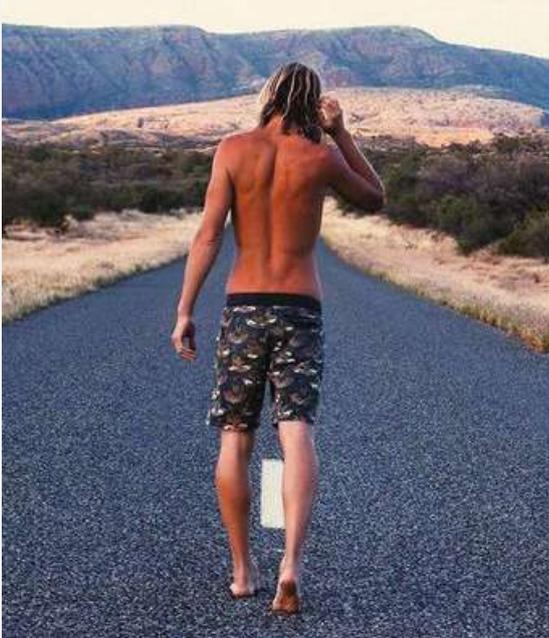
Then Mr Barry stayed in a friend’s storm-damaged and mouldy caravan for a weekend and became severely ill. It was enough to convince him drastic action was needed.

So began the path to extreme mould avoidance. Mr Barry started getting rid of all his possessions and bought a tent.



When I lived in Bondi, the entire time I was there, there was black mould which had begun to sprawl across my bathroom

In late October, Matt Walsh moved into a van he had stripped and refitted with materials he would not react to.



Richard Barry has spent the last two years on the road and living in a tent in a bid to avoid mould.

IT WAS IMMEDIATE. MY BRAIN FELT CLEAR

The first night he slept in his tent confirmed had made the right decision, Mr Barry said.

“That first night was the most profound shift in my health that I have had in seven years. It was immediate. My brain felt clear and I had word recollection immediately.”

Like many mould avoiders, Mr Barry follows the strict protocols of Lisa Petrisson, a US academic and myalgic encephalomyelitis (ME) sufferer, and Erik Johnson, a former US soldier who repurposed the decontamination protocol for warfare and applied it to mould.

The pair’s Facebook page has 11,000 followers and they have co-authored a beginner’s manual for mould avoidance.

The advice includes physically washing off the mould with a shower after any accidental exposure, something Mr Barry admits he also found “outlandish” at first but now follows religiously.

“I figured I would give it a shot and it has actually become one of the most powerful tools I use. If I walk into a bad building the symptoms gain intensity and get exponentially worse unless I wash.”

Sometimes, just speaking to a person who lived in a mouldy environment could be as bad as going into a building with mould, Mr Barry said.

“If you live in mould or you drive a mouldy car, which to be honest most people do, my body will respond in the same way as going into a shop.

“When I am with people on the mouldier end of the spectrum my brain completely shuts down, I start to get neurological symptoms and I can’t talk properly.

“It’s hard because when I feel mould initially it’s a really intense feeling and it’s kind of hard not to let that be known. I probably appear quite startled at times.”

While Mr Barry says he has no regrets about the time he has spent on the road, the lifestyle can be lonely.

“To be chronically ill in bricks and mortar is one thing, but then to be chronically ill and out in the wilderness alone it really compounds the isolation.”

NATIONAL INQUIRY PUTS FOCUS ON MOULD

While mainstream medicine is at pains to point out that there is not enough evidence to link mould exposure to chronic immune illnesses such as CFS and ME or the severe neurological symptoms many say they suffer from, attention on the biotoxin is growing.

A recent Federal Government inquiry into mould-related illnesses received more than 100 submissions from Australians who said they were suffering from debilitating symptoms as a result of mould and had failed for many years to find doctors who would listen to them.

The bipartisan inquiry’s final report called for the government to fund research into the health impacts of mould and develop guidelines for doctors.

Some doctors are also beginning to speak out about the large numbers of people who could be experiencing ill health as a result of biotoxins, mould being the most common.

“I would certainly say it’s a hidden problem. It’s happening much more than we expect or know, and it’s definitely devastating and debilitating for the people who get it,” NSW Central Coast doctor Christabelle Yeoh told nine.com.au earlier this year.

Chronic fatigue was “a classic diagnosis” for someone who may be experiencing problems related to mould exposure, Dr Yeoh said.

“Where the cause isn’t found they might be given antidepressants. Or they might just be told to exercise more and get on with their life better but they try yet they can’t get over the hump.”

“Another common thing is where people’s brains just don’t work well on a functional level so they will think that they are even getting early dementia.”

Source: [9news.com.au/national/2018/11/08/15/26/mould-avoiders-the-aussies-going-to-extreme-lengths-to-treat-chronic-illness](https://www.9news.com.au/national/2018/11/08/15/26/mould-avoiders-the-aussies-going-to-extreme-lengths-to-treat-chronic-illness)

INDOOR AIR QUALITY TESTING

As members of the Indoor Air Quality Association (IAQA), we understand the importance of good air quality for everyone's health and well being.



STAYING SAFE FROM TOXINS

According to the Occupational Safety and Health Administration (OSHA), "poor indoor air quality has been tied to symptoms like headaches, fatigue, asthma, respiratory problems, concentration plus eye, nose and throat irritation."

There is a myriad of factors that impact IAQ including, building renovations, inadequate ventilation and temperature control.

Our total IAQ test will help to identify contaminants and will provide a range of solutions to improve the living or working space.

AIR QUALITY

Improving general health and breathing, improved sleep, reduced airborne allergens and air quality can be adversely impacted by a variety of factors that include

- Mould and mildew
- Particles caused by combustion items such as stoves, heaters, fireplaces etc
- Asbestos particles
- Volatile Organic compounds like paints and glues. These have low boiling points and give off gases that weep into the air
- Dust and droppings. Cockroaches, vermin and pets are all liable to leave droppings that will invariably infect the air
- Pesticides

IAQ TEST REPORT

Our IAQ test report will grade all rooms in three different levels from low counts and passing grade air quality to hazardous high range fails. The report also provides relative humidity levels in each room.

The investment is from only *\$195 + gst.

*Costs may vary for large homes or commercial premises.

Take the first step to protecting your home or office environment by calling The Mould Doctor on 1300 944 595 or email info@themoulddoctor.com.au

Poor indoor air quality has been tied to symptoms like headaches, fatigue, asthma, respiratory problems, concentration plus eye, nose and throat irritation

WHEN TO TEST FOR MOULD?

WHEN SHOULD MOULD TESTING BE CONSIDERED?

1. When visible mould is not present, but the smell of mould is present. Here a mould inspection and mould test can reveal whether there is indeed elevated mould, and where it is located.
2. There have been plumbing leaks or water issues and there is a suspicion that elevated mould may exist in the air, sub floor, ceiling or behind walls.
3. Post Mould Removal Clearance Testing to ensure that the mould issues have been resolved and mould counts have returned to levels found in normal environments of the same type.
4. If a doctor cannot pinpoint the cause of a health symptom related to mould allergies.
5. For pre purchase real estate transactions.
6. Landlord/Tenant disputes as to whether there is a mould problem.
7. If you can already see mould, remediation is required and testing is usually unnecessary.

The testing process is as follows:

- Environmental Assessment
- Visual Inspection
- Surface Sampling
- Air Quality Analysis
- Laboratory testing



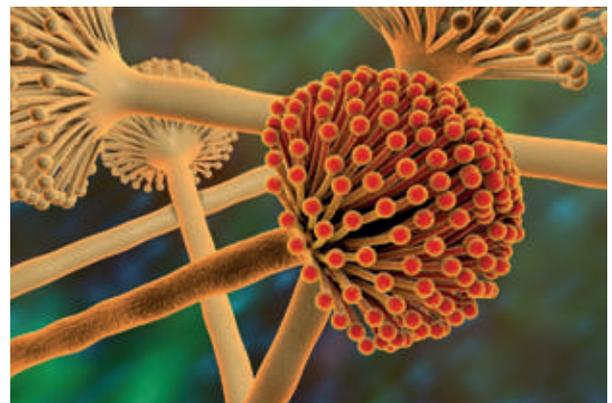
If you can already see mould, remediation is required and testing is usually unnecessary.

MICROBIAL ANALYSIS

A YEARLY HEALTH CHECK FOR HOUSES, APARTMENTS AND COMMERCIAL PREMISES.

How can The Mould Doctor help reduce your risks, for the owner property manager or tenant.

- The media are constantly reporting the dangers of living in a property with mould.
- The Mould Doctor offers simple, pointed, cost competitive laboratory reports.
- We take air samples and if required, recommend the process to complete mould remediation.
- This procedure will minimise the risks and the possibility of compensation being sought by tenants.

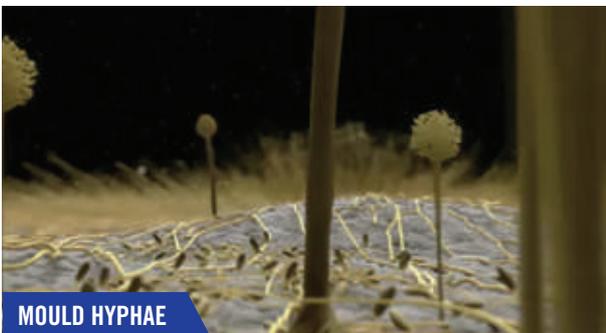


HOW DOES MOULD SPREAD?

Mould can grow by extension of tiny root hairs called hyphae. Mould also makes spores that are like very small seeds. When spores are released they can be carried by air or water to new locations.

As mould dries this release is accelerated in an effort to spread the seeds to new areas to grow. Spores are so small that primarily air currents affect them. If you have visible growth occurring from a water intrusion, do not dry

it or the building materials out uncleaned. As the moisture of the mould or building material decreases, the release of spores increases exponentially.



UNDERSTANDING MOULD

WHAT IS MOULD?

Mould is one type of fungus whose job it is to decompose dead organic material. Moulds sometimes can infect living plants and animals. The spores and fibre like structure of individual mould colonies are too small to see without a microscope. When enough mould grows together on a surface it will appear in different colours. The colour of mould is influenced by nutrient source and the age of the colony. It is impossible to determine what type of mould is growing by visual inspection only.

Moulds are naturally occurring organisms playing a major role in the earth's ecosystem. They are the most important part of nature's ability to recycle. These microscopic fungi exist everywhere except under water, parts of the Arctic and Antarctic.

WHAT MAKES MOULDS GROW?

Mould needs moisture to grow, no moisture means no mould. Mould also needs food, oxygen and ideally a warm temperature.

Since mould decomposes dead organic material it can grow on wood. Mould can also digest some synthetic materials such as adhesives, pastes and paints. While mould cannot feed off of inorganic material such as concrete, glass and metal, it can however grow on dirt, debris or hairs that are on/in these surfaces. Moulds prefer wet or damp materials but can get their moisture from the air in the form of high humidity, typically above 55% relative humidity.

If mould has the opportunity to grow (add water) it will. The key to reducing the growth of moulds in buildings is to minimize the water. Reduce the ways in which moisture accumulates in the building structure and mould won't continue to be a problem.

FACTS ABOUT MOULD



MOULD

Whether it's on bathroom ceilings, in dark bedroom corners or in brand new apartments – mould is a tricky issue to deal with.

IT DOESN'T NEED TO BE

The article on the following page by Nicole Bijlmsa, building biologist and IICRC accredited mould remediation technician, is just the thing to help you better understand exactly how serious mould can be in a living environment. Ideal to pass along to property management colleagues or landlords who don't recognise the risks of having mould in their investment property, it's a quick, interesting read.

THE CAUSE OF MOULD IS MOISTURE

Fungi needs food and moisture to thrive. As microbes are everywhere on this planet from the Arctic to Antarctica - and most building materials and furnishings in our homes are the perfect fast food for mould - the key to addressing any mould problem is to identify the source of the moisture.

Once moisture sits on a surface for more than 48 hours, bacteria and fungi begin to have a field day.

THINK TWICE

The next time your landlord wants to use bleach on mould in their investment properties, or simply paint over the problem, be aware that neither of these methods addresses the serious health concerns that mould in living spaces presents –leaving tenants AND landlords potentially at risk.

For more information on solving mould conundrums in your property portfolio, contact the The Mould Doctor today.

MOULD MYTHS

THERE'S NO QUICK FIX

"I've got a quick fix for mould," says your normally-amenable landlord. "Just get the tenants to wash the mould away with a bleach solution. She'll be right as rain." Wrong.

Many landlords may initially use 'Doctor Google' rather than The Mould Doctor. Google may tell you that bleach is the miracle mould cure-all when in fact, bleach makes a landlord's mould problem worse.

BLEACH FEEDS MOULD

Chemicals like bleach are actually a smorgasbord for some fungi. Whilst initially you may think bleach solves your mould problem, it actually feeds it. Bleach is effective in sanitising surfaces, and when used on mould it can indeed remove the discoloration associated with mould.

It will not, however, remove the microflora which will allow mould to return in exactly the same spot. Any mould that is killed by bleach then leaves behind hazardous mycotoxins - dead mould spores that still present a health hazard.

BLEACH LINKED TO HEALTH PROBLEMS

The Herald Sun has reported on the relationship between the use of bleach and health problems - linking the use of bleach in domestic environments to higher rates of flu, tonsillitis, bronchitis and pneumonia in children.

Research speculates that airborne irritants released whilst cleaning with mould may damage the lining of lung cells, sparking inflammation and making it easy for infections to take hold.

Advertising increasingly promotes the use of antimicrobial products including bleach in the home environment - which makes communicating to landlords unaware of bleach's health risks doubly challenging.

MOULD PROOF PAINT – ALL YOU NEED TO KNOW

Everyone knows that prevention is often better than cure, so it's no wonder that landlords and property managers are often looking to mould proof paint as a way to prevent mould.

The good news is that there is a wide range of mould resistant paints available that discourage the growth of mould. These contain a level of mildewcide that will keep the paint free of mould and mildew for some time – usually for the life of the paint.

The bad news is that just using these paints alone is not enough. In order for the paint to work, the mould needs to be attacked at its source before painting. We are often called to properties within three months of a client's paint job to treat mould that has returned.

The fact is there is no paint that penetrates a surface and kills mould spores. If there was such a paint it would need to be registered as a pesticide. If you paint without proper mould remediation, spores can be embedded into the film of the paint and cause visible infestation in the future.

Prevention is better than cure, but only when handled correctly by the experts. Our technology actually kills the mould spores, greatly reducing the risk of mould returning. The Mould Doctor's technology removes the mould stains, therefore repainting is not required which saves additional costs for the landlord.



CONDENSATION

The following design advice has been prepared by Wood & Grieve Engineers for Far East Consortium to provide an overview of the issue of condensation occurring within an apartment residence.

WHAT IS CONDENSATION?

For water to condense, the air within an apartment has reached a level of humidity where the dew point is above the temperature of a surface on which condensation is occurring.

WHAT CAUSES CONDENSATION?

Buildings with condensation can be caused under a number of factors. These include:

- Environmental conditions including external ambient temperature, humidity and solar / radiant loads. These weather conditions (typically occurring between the months of May and August) can cause the façade glazing and framing system to cool. During warmer months, external conditions required for generating condensation are much less frequent. The orientation of a façade may also affect these factors.

Operations within the apartment causing the humidity level to become elevated. These operations include:

- High numbers of people within the apartments (respiration and/or perspiration)
- High amount of steam escaping from bathrooms (due to exhaust fans not being operated)
- Washing clothes using hot water without an exhaust fan
- Traditional dryers being used within apartments or clothes drying generally
- Cooking equipment
- Heavy personal exercise within the apartment
- Plants, pets and fish tanks can increase humidity levels
- Poor maintenance of plant and equipment
- Poor apartment ventilation - apartments are provided with ventilation (as required by the Building Code of Australia). Residents should use these devices
- Any combination of the above factors.

Moisture generated within the apartment will remain in the space unless a window is opened, the air conditioning system is used in cooling mode or any of the exhaust air systems (range hood or bathroom exhaust fans) are used.

MINIMISING HUMIDITY

The following practices can be used by the residents to minimise humidity within the apartments

- Ensure that exhaust systems are utilised for bathrooms and cooktops operations. Allow these to run for a period after use of the bathrooms or cooktop to assist in further exhausting moisture.
- Using lids on cooking equipment and using the kettle near the range hood when boiling water.
- Ventilating apartments can be effective to reduce apartment moisture levels. Opening a balcony door or external window can assist.
- The A/C units are effective in dehumidifying the apartment. Run the A/C on cooling mode to dehumidify the apartment. In extreme cases, utilise dehumidification equipment. These systems are commercially available (and are commonly used in humid environments such as Hong Kong or Singapore) and can operate in conjunction with the heating systems within the apartment.

A WINDOW LEAK VS CONDENSATION?

Often due to the timing of events, condensation and water ingress back into the building can be confused by residents. There are instruments available to confirm that the conditions exist to cause condensation, and investigation can be easily undertaken.

WHO IS RESPONSIBLE FOR THE CONDENSATION?

The Building Commission has issued a Guide to Standards & Tolerances 2007, which acknowledges that “Condensation is a common problem in buildings, particularly in bathrooms and laundries, and can occur on windows”.

“Where the requirements of the building code have been complied with, the responsibility for controlling condensation by maintaining adequate ventilation through the installation and use of exhaust fans or other means is the responsibility of the owner”.

DEHUMIDIFIERS



ionmax

choice
RECOMMENDED
June 2016

**Moisture Control Dehumidifier
ION632**

The **Ionmax Ion632 Dehumidifier** controls the humidity in your environment efficiently while staying environmentally friendly. It features a CFC-free desiccant rotor, air filter, and various safety functions. Sturdy and durable, the Ionmax Ion632 is perfect for daily use in removing mould and dampness, drying clothes, and improving the air quality in your home and office. Being able to remove 10 litres of moisture per day (20°C RH60%) while staying energy efficient, the Ion632 dehumidifier is ideal for daily industrial use.

FEATURES



Extraction Rate
10 Litres/Day



Timer up to 8 hours



Quiet Operation



Tank Capacity



Laundry Mode



Light and Portable



Air Filter



Stable Performance in Both
Low and High Temperatures

SPECIFICATIONS

Voltage	240V	Net Weight	8.4 kgs
Power Consumption	400 - 720W	Net Dimensions (W x D x H)	416mm x 186mm x 520 mm
Working Temperature	1°C - 40°C	Gross Dimensions (W x D x H)	491mm x 260mm x 623 mm
Moisture Removal	10 litres a day (at 20°C RH60%)		
Tank Capacity	3.5 litres		

HUMIDITY SENSOR BATHROOM AND LAUNDRY VENTILATION SYSTEM



5 YEAR
 WARRANTY
 GUARANTEED
 TO WORK
 AUSTRALIAN
 STANDARDS
 APPROVED

Silent Series



The Silent series exhaust fans are designed to solve ventilation problems in bathrooms, ensuites and toilets. They feature an advanced vibration absorbing design that enables them to run quietly, while it's high performance motor and impeller exhausts air quickly and efficiently.

Technical Data

Model No.	m ³ /hr [†]	L/sec [†]	Fan Speed rpm	dB(A) @ 3m	Watts	Volts	IP Rating
SILENT-125HT-W	175	48	2350	33	16	240	IP45
SILENT-150S-W	280	78	1700	32	29	240	IP45
SILENT-150T-W	280	78	1700	32	29	240	IP45
SILENT-150HT-W	280	78	1700	32	29	240	IP45

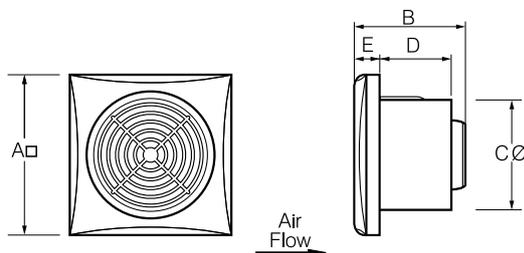
[†] Air flow without duct and fittings

Features

Model No.	Backdraft Damper	Humidistat	Run-on timer
SILENT-125S-W	Yes	No	No
SILENT-125T-W	Yes	No	Yes
SILENT-125HT-W	Yes	Yes	Yes
SILENT-150S-W	Yes	No	No
SILENT-150T-W	Yes	No	Yes
SILENT-150HT-W	Yes	Yes	Yes

- Quiet operation due to its noise and vibration absorbing design
- Powerful air flow performance
- Low loss foil backdraft damper is standard on all models
- 1-30 minute adjustable run-on timer and adjustable humidistat are available on selected models
- Internal thermal motor cut out protection
- 220-240V, single-phase, 50Hz supply

Dimensions



Model No.	Duct Size	A □	B	C Ø	D	E
SILENT-100..	100	158	109	99	79	25
SILENT-125..	125	180	119	118	80	30
SILENT-150..	150	214	149	147	95	35

All dimensions in mm



Accessories

- Fan Controllers (page A-38)
- External Grilles (page A-44)
- Flexible Duct - Fire Rated AS/NZS 4254 (page A-40)
- Wall Tubes (page A-47)

Sub Floor Ventilation

- Living in a house that feels damp?
- Musty odours?
- Visible mould in living areas?
- Signs of termites or rotted timber?
- The Mould Doctor can help by installing a Sub Floor Ventilation system



Research has proven that people get sick from damp floors and rising dampness in their homes. This has a major effect on the health of Australian home owners.

The cure for rising damp is damp air removal. It can affect the respiratory system, causing sneezing, coughing, headache, fatigue and wheezing, as well as respiratory infections.

In particular young children, the elderly, people with asthma and allergies or people with compromised immune systems are at risk of developing mould-related health complications.

SUB FLOOR VENTILATION SYSTEM

Excessive sub floor moisture can cause several problems. The most common problems are rising damp, wood rot, pest or termite infestations and unpleasant odours. If untreated, this could lead to growing mould, mildew and serious health issues.

Mould isn't just an unsightly problem – it's a serious health risk. We can assist you prevent all this, simply by installing a sub floor ventilation system to remove ground moisture from underneath raised floors, creating a drier and controlled sub floor area. Our system is an affordable, economic and long-lasting solution.

We ensure that your sub floor ventilation system, installed by our highly trained technicians, is running perfectly so it will effectively reduce excess sub floor moisture and assist with your damp problems.

The system is designed to exhaust damp trapped from the air from the sub floor and introduce fresh air in through existing or new passive vents. It works from drawing in fresh air from outside one side of your home and circulating that while on the other side is a damp air removal system. This cross-flow ventilation from one side to the other, creates air change through your house renewing the fresh air up to 15 times an hour during day light hours. Any rising damp will be picked up and removed, preventing rising damp from entering your home.

The outcome is that excessive moisture will no longer make its way inside your home. The sub floor ventilation system eliminates musty smells, pest infestations, rotting timbers and most importantly health problems as a result of dampness in your home. The Mould Doctor will create a healthy home and living environment for you and your family.

THE BLAUBERG SYSTEM

The Mould Doctor carefully selected the Blauberg International line as our sub floor ventilation system.

Manufactured in Germany using the latest technology ensures superior performance, reliability and low operating costs.

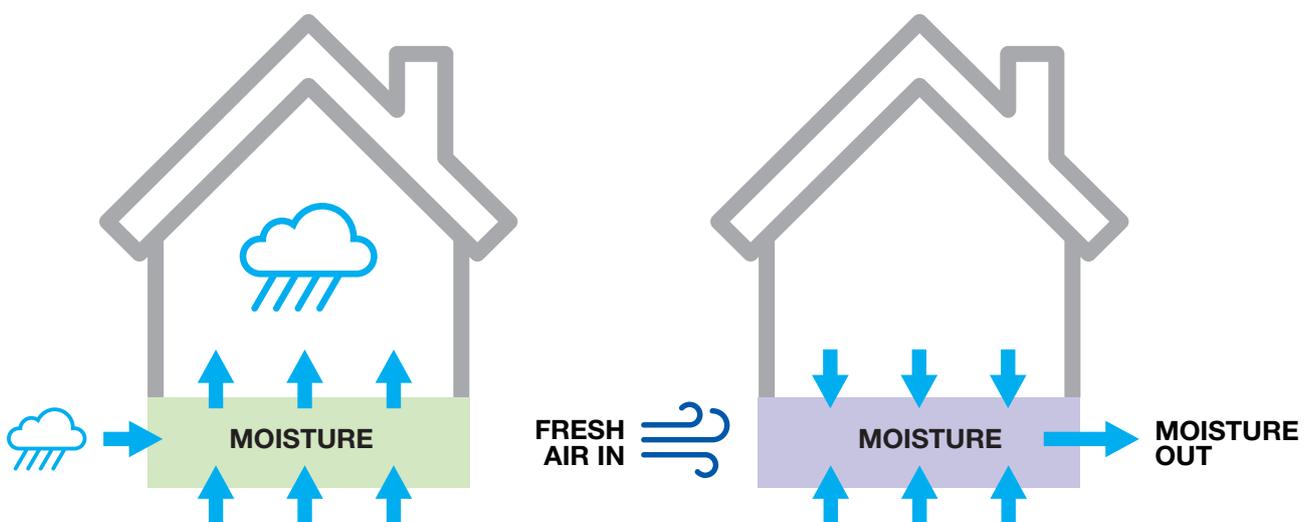
This sub floor ventilation system will design effectiveness, result in cost and energy efficiency, reliability and low maintenance requirements, compliance with Australian standards, unobtrusive operation and aesthetics.

The Mould Doctor uses the exclusive silent ventilation Blauberg ISO fans, Centro M, metal cased air pumps and smart fan models.

- A five-year warranty on all Blauberg products
- Steel and fire-resistant casing with resistant coating for reduction of vibration and longevity
- Insulated ducting is used for improved acoustic performance and special imported high moisture resistant (PVC fume control duct) PFC duct is used to improve durability and longevity in damp sub floor environments
- To make sure the pumps only run during daylight hours, timers will be installed next to the sub floor access for easy service and maintenance



Our system is an affordable, economic and long-lasting Solution

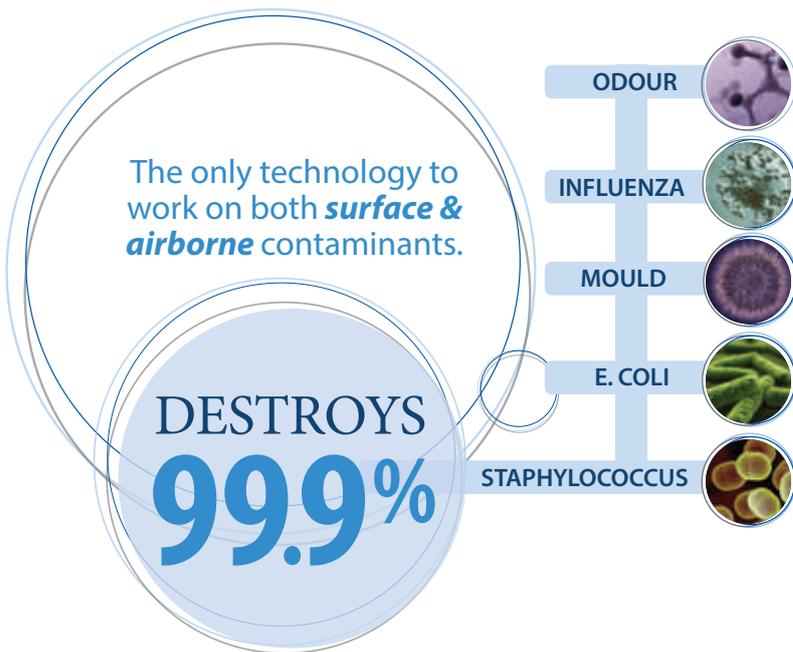


Having a clean home...



is not the same as having a healthy home.

The sun's ultra-violet rays naturally create atmospheric hydroxyls.



MySpace - OHAir® MySpace is a portable system designed to work in home, office and automotive applications.



Architect - OHAir® Architect is a flexible system designed to work in home, office and automotive applications. It can be surface or flush mounted and the front changed to match your decor

Protect your family's health

OHAir® technology destroys bacteria and viruses that can cause illness. The constant flow of atmospheric hydroxyls destroys 99.999% of flu causing organisms within your home.

OH Air® technology can significantly reduce airborne infection rates that may cause illness.

OH Air® technology provides a constant stream of atmospheric hydroxyls that destroy contaminants on both surfaces and in the air.

OHAir® devices utilise Odorox® technology.

Destroys Odours, Moulds, Bacteria and Viruses Odorox® technology kills bacteria, viruses and moulds (fungi) on surfaces as verified by ATS Labs and in the air as verified by Aerosol Research and Engineering (ARE) laboratories, which both did studies on a range of clinically and commercially relevant microorganisms.

Produces Atmospheric Hydroxyls Creates a continuous stream of hydroxyls to effectively destroy most chemicals as validated by the premier US atmospheric research facility - Lovelace Respiratory Research Center.

Indoor Air Pollution Odorox® technology reduces pollutants in indoor air as verified by Columbia Analytical Services.

Safety Comparative Biosciences Inc., a leading toxicology research centre, conducted an FDA compliant animal toxicology study showing no adverse effects with continuous 24/7 produced atmospheric hydroxyls.

AIR PURIFIER



HEPA UV Air Purifier ION390

The Ionmax® ION390 UV Air Purifier provides you and your family with complete air purification by combining 5 forms of efficient air purification technologies - HEPA filtration, UV light and negative ions. Designed with clever features and functions, the ION390 is also very easy to use and highly convenient for health.

Features

- 
Digital LCD Display
 User-friendly digital LCD display lets you monitor options and settings easily.
- 
Room Coverage 60 sqm
 Suitable for apartments or large rooms up to 60 sqm. Perfect for the living room, dining area or bedroom.
- 
Timer up to 8 hours
 Timer options for 1, 2, 4, 6, and 8 hours.
- 
Negative Ioniser
 Emits negative ions that help to revitalise and clean the air.
- 
Infrared Remote Control
 Comes with a handy infrared remote control so you can adjust the settings conveniently each time.
- 
4 Adjustable Fan Speeds
 Switch between Fast, Medium, Slow or Auto fan mode.
- 
Auto Switch Off
 A safety feature that switches the unit off automatically if the cover panel is opened.
- 
Dust Sensor
 A dust sensor monitors the air quality in your environment and adjusts the fan speed accordingly when in Auto mode.
- 
Colour Changing LED Indicator
 Features an LED indicator that changes colour based on the level of air pollution detected.
- 
HEPA Filter Cleaning / Replacement Reminder
 Notifies you when the filter needs cleaning or replacing.

Specifications

Model No.	ION390-B	Power Consumption	55 W
Coverage Area	60 sqm	Dimensions	291.5mm (D) x 208mm (W) x 664 mm (H)
Negative Ion Output	Yes	Product Weight	5 kg
Air Flow	190 m ³ /hr	Warranty	1 Year
Input Voltage	AC 240V / 60 Hz		

FAQ

WHAT IS THE COST FOR AN INSPECTION AND REPORT?

We provide a FREE detailed inspection report for any premises or area that has a problem with mould, including any contents. The inspection is conducted by our highly trained technicians who will assess the property and determine the cause of the mould.

WHAT IS CAUSING THE MOULD?

The mould generally occurs from condensation, lack of ventilation or moisture ingress from building or plumbing defects.

WHAT IS THE MOULD DOCTOR REMEDIATION PROCESS?

1. We remove the visible mould from hard surfaces.
Our treatment will remove the staining from gyprock, concrete, timbers, stonework, roofing, and brickwork. The product is formulated to get to the hyphae, or root system, of the visible mould. Once the visible mould has been eliminated, painting of the surfaces is usually not required unless moisture has caused peeling or flaking paint issues.
2. The second stage is the elimination of invisible mould spores. Our product is unique in that it is NOT an encapsulant, it is non-irritant, biodegradable, non-toxic, non-corrosive and non-bleaching. This product has been thoroughly tested and is designed as a non-mechanical air scrubber to eliminate mould spores and other contaminants from the indoor environment.

WHY DO YOU FOG THE ENTIRE PROPERTY?

Mould spores, by nature, will grow where there is excess moisture. The mould that we see on our walls and ceilings, is present because the right conditions exist. Whilst you see this growth, mould produces invisible spores which spread throughout the living environment.

HOW LONG DO WE NEED TO BE AWAY FROM OUR HOME?

Following the remediation and fogging we require that you do not return for a period of only two hours.

This is the time required for our product to have a consistent coverage of the entire living environment.

WILL BLEACH KILL MOULD?

When utilising bleach for cleaning mould in a bathroom, the organic matter in the form of soap scum changes the pH of the bleach to a range that is ineffective for killing mould.

The corrosive nature of bleach is harmful to grout and tiles as it erodes and corrodes the surfaces, making them more porous, and vulnerable to further penetration of fungal growth. Bleach does not penetrate or soak into porous surfaces and the active ingredient sodium hypochlorite stays above the surface whilst water is absorbed into the porous surface.

For this reason, bleach is ineffective in killing penetrated mould growth of non-porous materials like gyprock and timber. The colouring in fungi, is removed making it appear invisible however proper mould remediation requires the removal of all mould affected material from the surface and that that has been penetrated.

DO YOU HAVE A DRYING SERVICE?

We provide flood restoration and drying services if required. Our report will provide the information in regards to the cause and recommendations to dry the affected room/s

FAQ

WHAT ARE THE SIGNS OF CONDENSATION?

During the winter months, many properties suffer from dampness and mould growth due to condensation. Air can hold moisture - the warmer the air, the more moisture it can hold. If moist air is cooled by contact with cold surfaces, such as walls, windows or mirrors, the moisture condenses into water droplets (condensation).

Mould often occurs because of condensation. It starts as pinpoint black spots, usually on the side surfaces, in corners and in poorly ventilated spaces, such as behind cupboards and in wardrobes and grows quickly if moisture levels are high.

When relative humidity (a temperature-dependent measure of water vapor in air) becomes elevated indoors, building materials and furnishings absorb the moisture. Those damp materials can then provide a perfect place for mould to grow. If there are no cold-condensing surfaces and the relative humidity is maintained below 55% indoors, there will not be enough water in those materials for mould to grow. However, if the RH stays above 70%, mould will certainly grow.

HOW DO I REDUCE CONDENSATION?

By introducing low level heating, the temperature of internal surfaces will rise. This will reduce cooling of any moisture-laden air and, consequently, the amount of condensation.

Ideally, low level background heating should be continuous, as any short bursts of heat may not result in a suitable rise in surface temperatures.

Adequate ventilation is essential to allow moisture-laden air to escape from the home before condensation occurs. Mechanical extract ventilation systems and dehumidifiers are proven to be very effective in reducing condensation.

DOES THE MOULD DOCTOR PROVIDE A WARRANTY?

Yes the warranty is for 1 year proving the identified caused is fixed. If the cause cannot be fixed we can offer an annual service agreement.



We provide a FREE detailed inspection report for any premises or area that has a problem with mould



BOAT MOULD REMEDICATION

It's not all fishing off the deck and drinking champagne on the bay. Owning a boat requires regular maintenance and elbow grease.

Boats are notorious for breeding mould. The Mould Doctor is here to help boat owners with our unique boat mould remediation services.

ALL BOATS SWEAT

It's an unfortunate fact: every boat - no matter how well maintained - will be exposed and affected by mould. Often ignored, boat mould not only smells unpleasant - it can effect on your health and degrade the finish of your vessel. Boat 'sweat' is condensation: the result of warm air coming into contact with cold surfaces which will eventually cause mould.

MOULD LOVES BOATS

Noticed a creeping dark blotch on your maps or charts? Spreading marks of an unsavoury nature under cabin cushions or on the bulkhead?

The time to take action is now: do not ignore mould in your boat as it will continue to thrive if left untreated. Boats offer a perfect environment for mould to thrive. Mould lives on the vegetable fibres found in cordage, clothing, paper, leather and adhesives of animal or vegetable origin. Mould loves the linseed oil found in oil-based paints which are common on and in many boats.

MILDEW MATTERS

Dampness is essential to mildew creation - so take care with the stowing of your wet gear. Anchor lines and jackets need to be air dried. Make sure not to leave wet gear on soft furnishings inside the cabin of your boat. This is a recipe for returning weeks later to find mould throughout your vessel.

SEASONS OF MOULD

Mould thrives during the damp seasons of autumn, winter and spring, encouraged by weather when the sun is still warm, but the air is cool.

Airborne mould spores attach to condensation caused by these environmental conditions, before manifesting into visible mould.

WE CAN HELP

Our trained technicians know how to support boat owners in the removal, management and prevention of mould.

The Mould Doctor offers a non-hazardous mould removal service which is safe for the boat owner, their guests and the environment.

MOULD PREVENTIVE PLANS

Option 1 Annual Service Agreement

Option 2 Six Monthly Service Agreement
Packages start from \$395 + gst

To learn more about The Mould Doctor's mould remediation services for boats call 1300 944 595

CLIENT FEEDBACK

"The Mould Doctor is always prompt in both quoting and work procedures. Quotes are fully explained and with good information for the landlord. Works are completed in a timely fashion, the tenants are consulted with time frames, and I have never had an issue with the quality of work put through to me.

The Mould Doctor is my only option when dealing with mould and moisture issues".

Rob Gillies
Property Investor Services - Brunswick



"I have been dealing with The Mould Doctor for over three years.

I have found them to be very professional and responsible and I would have no hesitation on recommending them to any of our owners. They provide me with a full report including, photos and recommendations to forward to my owners.

Calls are promptly returned and we get assistance in guiding our owners regarding problems of mould in their investment properties".

Lore Santoro
Property Investment Manager - Clayton



"I would like to say that the Mould doctor has given myself a lot of insight on how mould actually works and for the industry I work in this has been very helpful in my confidence to discuss certain aspects to both landlords and Tenants."

Sherie Vis
Biggin & Scott - St Kilda



"The Mould Doctor has provided mould remediation in a number of properties we manage. They understand that our tenants health is a priority and always respond within 24 hours.

Positive feedback from tenants and owners provides us with great comfort in engaging The Mould Doctor for future issues with mould".

Brant Williams
Advantage Property - Elwood



"I would like to thank you for attending our recent property management training day. The information you provided to the team was very informative and will be a great assistance to us and our clients. We appreciate the great work and support from The Mould Doctor team."

Sophie Lyon
Philip Webb Rentals



"Your office is extremely efficient and we are always well-informed with what is happening and when the job will be completed. The results are great"

Renee Eberle
McGrath Estate Agents - St Kilda



"I attended the info session and I was very impressed. Our tenants will be happy and owners well informed after The Mould Doctor's investigations."

Ben Saaksjarvi
LITTLE Real Estate



7 REASONS WHY OUR CLIENTS CHOOSE THE MOULD DOCTOR



- 1 PRICE MATCH GUARANTEE
- 2 FULLY INSURED
- 3 FREE INSPECTIONS AND DETAILED REPORTS
- 4 OUR TRAINED TECHS ARE POLICE CHECKED
- 5 ONE YEAR SERVICE GUARANTEE
- 6 WE SERVICE ALL MELBOURNE AND SYDNEY SUBURBS PLUS REGIONAL CENTRES INCLUDING GEELONG, BALLARAT, GIPPSLAND, BELLARINE & MORNINGTON, PENINSULA NSW CENTRAL COAST, WOLLONGONG
- 7 MEMBERS OF HIA, IAGQ AND IICRC



THE MOULD DOCTOR
■ Inspect ■ Correct ■ Protect

MOULD A PROBLEM? MAKE AN APPOINTMENT WITH THE MOULD DOCTOR

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