



THE MOULD DOCTOR

■ Inspect ■ Correct ■ Protect

**IS YOUR
HOME OR
WORKPLACE
MAKING YOU
SICK?**



Inspection & treatment information

Arrange **free** inspection

☎ 1300 944 595

✉ info@themoulddoctor.com.au

🌐 www.themoulddoctor.com.au

INSPECTION & TREATMENT PROCESS

Our team of expert technicians are trained to treat all species of mould.

FREE INSPECTIONS

Our inspection report includes photos, moisture and humidity readings, findings, preventative recommendations and a quote.

There is no charge for this service however if laboratory testing is required charges apply.

To book your free inspection call 1300 944 595 or visit www.themoulddoctor.com.au

Please note if you are a tenant, we require approval from the Property Manager or owner.

MOULD REMEDIATION PROCEDURE

Step 1 Remove the visible mould infestation and sanitise the affected areas.

Step 2 Fog the entire dwelling to eliminate the invisible airborne mould spores.



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER

AMAZING RESULTS!

THE FOGGING PROCESS

WHAT IS FOGGING?

If the property has visible mould, there will be invisible spores throughout the living space.

Fogging eliminates all air borne spores and other bacteria.

WHY FOG THE ENTIRE HOUSE?

The simple answer is that Mould Spores move around the house.

If the entire property is not fogged mould will most likely return if the conditions are right, i.e. elevated humidity, condensation and lack of ventilation.



MOULD SPORES

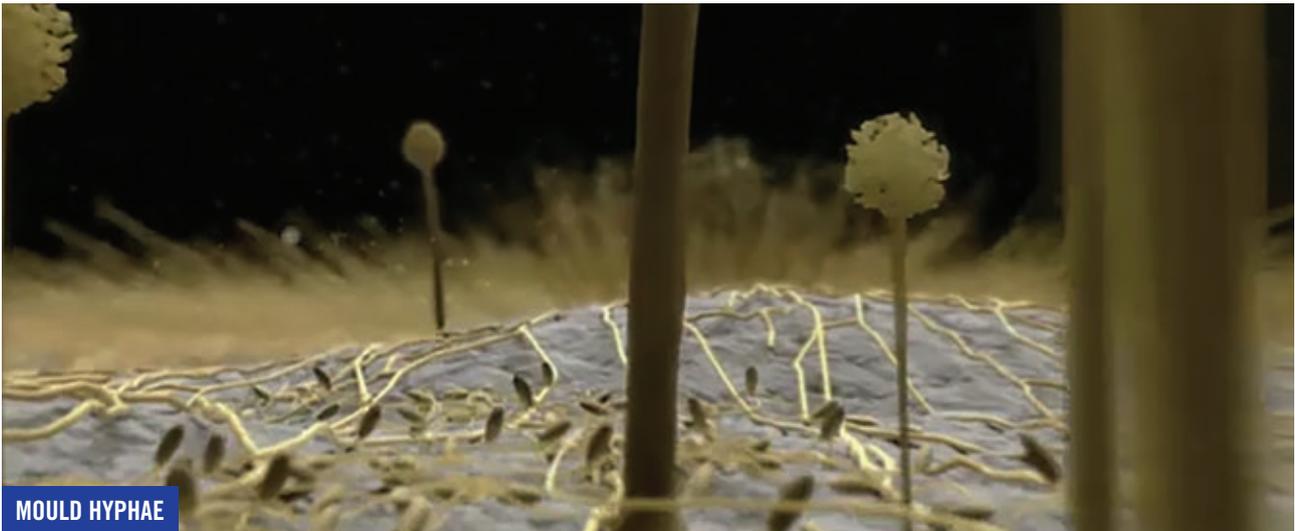


HOW DOES MOULD SPREAD?

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.

WHEN TO TEST FOR MOULD?

WHEN SHOULD MOULD TESTING BE CONSIDERED?

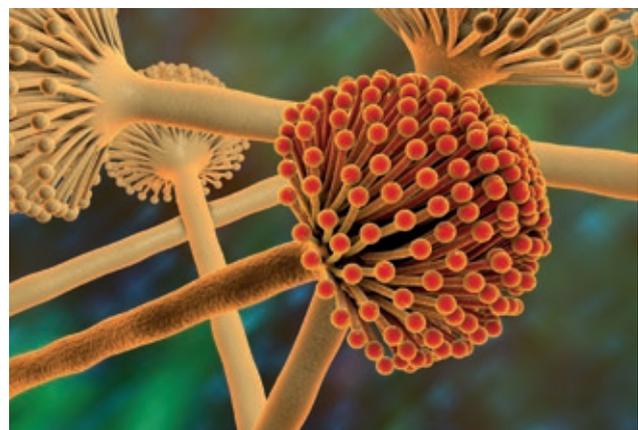
- When there is no visible mould just a musty or permeating odour
- If there is defective plumbing, building defects or leaks
- If a doctor cannot pinpoint the cause of a health issues related to mould allergies
- For a pre-purchase real estate report
- Landlord/Tenant disputes
- If you can already see mould, remediation is required and testing is usually unnecessary.



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MICROBIAL LABORATORY ANALYSIS

- The Mould Doctor provides air testing that is analysed by a microbiologist
- Testing procedure can be viewed at www.themoulddoctor.com.au/services/mould-testing
- A report is supplied that includes the mould species and spore counts



MouldFree
BY THE MOULD DOCTOR
 ELIMINATES ALL MOULD AND OTHER BACTERIA
 ■ AIR SANITISER ■ NON-HAZARDOUS ■ MADE IN AUSTRALIA

OUR FOGGING 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.

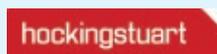
Complete testing report is available on request.



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

Rob Gillies
Property Investor Services - Brunswick



"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 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



HEALTH ISSUES

Mould isn't just an unsightly problem – it's a serious health risk. 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.

DEADLY MOULD

"With more than 30% of buildings affected by mould, it is now belatedly being recognised as a serious health risk," says Dr Peter Dingle PhD.

Moulds are perhaps the most opportunistic of the microorganisms, and are found virtually everywhere, indoors and outdoors. They thrive wherever there is the least bit of moisture and nutrition - in fact, they are tiny, enzyme producing and cellulose eating factories. There is a mould for every occasion and almost every material

They work continually on organic materials, breaking them down. Moulds are vital in the process of decomposition and recycling of organic material, and are essential and beneficial for life. Indoors, however, where their populations can concentrate, moulds become a problem.

Fungi are the most frequent cause of biodegradation of building materials. This "biocorrosion" happens to building materials, such as wood, chipboard and plaster, as organic and inorganic acids are released from the fungi. This is not surprising as fungi are capable of breaking down rock in nature. Ideal conditions for fungi growth are damp, humid conditions. In recent years, the opportunity for growth of fungi and hence mycotoxin release has increased with increased flooding and thermal modernisation of residential buildings. Allergies and mycotoxicosis can be caused by extended periods of mould exposure.

Mould growths can often be seen in the form of discolouration, ranging from white to orange and from green to black, and present many textures, including slimy, powdery and hairy.

Moulds have diverse effects on our health due primarily to their production of spores and toxins, some of which are Volatile Organic Compounds (VOCs). Symptoms caused by moulds range from allergies to liver cancer. Mould can also cause conditions such as Sick Building Syndrome (SBS) and skin infections. It is inadvisable for anyone to live or work in a mouldy indoor environment.

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The Daily Telegraph

'Our mouldy house was killing us'

FIONA BAKER NATIONAL FEATURES FEBRUARY 18, 2012 7:00PM



Robyn Bell and Mathew Willmore had severe health problems caused by their mouldy home in Brisbane. Picture: Hughes Simon. Source: Supplied

WET weather is causing a spread of mould that is damaging to our health.

The list of infections, symptoms and conditions Robyn Bell, her partner Mathew Willmore and even their two cats suffered during the three years they lived in a mould-infested Brisbane home reads like the index of a medical journal.

Sinus, skin and respiratory infections, yeast infections, headaches, aching joints, asthma, fatigue, loss of libido, depression and anxiety were some of the problems they suffered. Their cats suffered fungal infections and constant vomiting.

"That house was killing us," Bell says. "It just took a long time for us to connect the dots about why we were so sick all the time."

She and Willmore have since moved out - 'almost immediately we felt better' - but without most of their belongings, which they have locked up in containers because they were unable to control the mould.

"Mould has tainted everything in our lives," she says. "Along with our health, many of our belongings, our keepsakes that were sacred to us, have been or will need to be destroyed."

"Mould is toxic, dangerous and consumes everything around it. Unless you treat the source and kill it, it will take hold of your life."

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.



BATHROOM & LAUNDRY VENTILATION



SILENT

WALL MOUNTED EXHAUST FAN

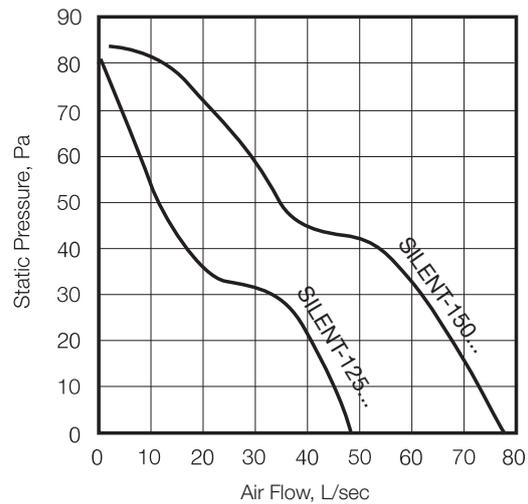


The Silent series exhaust fans are designed to solve ventilation problems in bathrooms, ensuites and toilets. They feature an advanced vibration absorbing design that enables them to run quietly, while the high performance motor and impeller exhausts air quickly and efficiently.

- Quiet operation due to its noise and vibration absorbing design
- Powerful air flow performance
- Low loss, foil backdraft damper is standard on all models
- Internal thermal motor cut out protection
- 220-240V, single-phase, 50Hz supply.

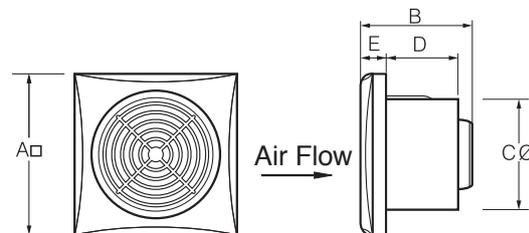
ACCESSORIES

- Fan Controllers
- External Grilles
- Flexible Duct - Fire Rated AS/NZS 4254
- Wall Tubes.



MODEL NO.	M ³ /HR†	L/SEC†	FAN SPEED RPM	AVG. dB(A) @ 3M	WATTS	VOLTS	IP RATING
SILENT-125T-W	175	48	2350	33	16	230	IP45
SILENT-150T-W	280	78	1700	32	29	230	IP45

... T-W models include backdraft damper and run-on timer † Air flow without duct and fittings



MODEL NO.	DUCT SIZE	A □	B	C Ø	D	E
SILENT-125...	125	180	119	118	80	30
SILENT-150...	150	214	149	147	95	35

All dimensions in mm

MOISTURE CONTROL DEHUMIDIFIER ION632



ionmax

The Ionmax ION632 Desiccant Dehumidifier is an effective dehumidification solution.

Maintaining optimal humidity levels through dehumidification is important in improving comfort levels, eliminating musty odours, preventing the growth of mould or mildew, and for other health reasons.

This unit is capable of up to 10L of moisture extraction per day, ideal for daily use to keep your humidity levels optimum.

It covers large areas up to 50m² and provides expansive room coverage with its automatic louvre and three-directional adjustment.

The CFC-free desiccant rotor and efficient energy use are environmentally friendly.

The controls at the top of the unit are easy to use, including setting the convenient eight hour timer.

There's also a laundry function which helps to dry your laundry.

In addition, it features an air purifier with silver nano technology. This technology prevents the growth of bacteria on the filter, improving the quality of air in your home.

\$550 + GST

WHAT'S INCLUDED

- Delivery
- Set up
- How to use instructions



Extraction Rate
75 litres per second



Laundry Mode



Tank Capacity



Stable Performance in Both
Low and High Temperatures



Air Filter



Quiet Operation



Timer up to 8 hours



Light and Portable



- 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

SUB FLOOR VENTILATION

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.

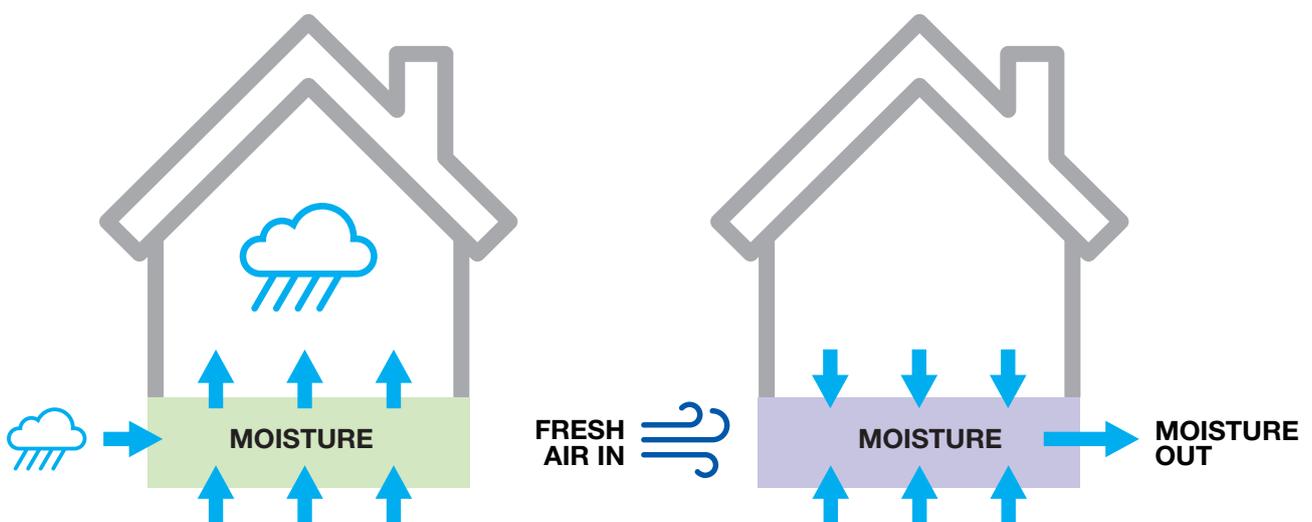
This sub floor ventilation system will design effectiveness, result in cost and energy efficiency, reliability and low maintenance requirements, compliance with Australian standards, unobtrusive operation and aesthetics.

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



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 THE MOULD DOCTOR SERVICE EXTENDS TO ALL REGIONS IN VICTORIA AND NEW SOUTH WALES
- 7 MEMBERS OF HIA, IAGQ AND IICRC



MOULD A PROBLEM? MAKE AN APPOINTMENT WITH THE MOULD DOCTOR
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