

eZYDRAIN

Healthy Living with EzyDrain
Protects against pests, odours and disease
Suitable for homes, hospitals, hotels and restaurants



Premium



**Antibacterial AgNP
Technology & ABS**

Economy



**Made with
Recycled ABS**



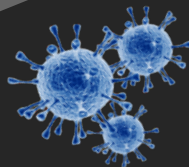
Welcome to Healthy Living with EzyDrain

The modern healthy lifestyle includes addressing our health in many ways. We eat well, exercise regularly, keep a clean home and office, have ergonomic furniture, and spend time with friends and family.

But what about the problems posed by airborne disease, bacteria and odours from plumbing pipes, contaminated backflow, and vermin?

EzyDrain provides a simple cost effective solution for all these problems working 24/7 to protect your environment.

There are millions of homes, offices, hospitals and restaurants in the world, floor drain wastes are commonly found in kitchens, laundries, and bathrooms, which are all connected to the sewerage system. This connection allows disease including SARS (COVID-19), odours, and vermin to escape from the drains back into the living environment.



Novel Coronavirus (COVID-19)

Evidence that Novel Coronavirus is airborne is already understood and established, so much so that there is growing consensus that building connected bathroom ventilation is the **main channel of transmission**, rather than via surfaces as originally believed. This changes the prevention strategy defended until now.

A WHO report stated harmful viruses, including SARS can be sucked from the sewage system into the home if, for example: strong extractor fans working in a bathroom draw escaping infectious air plumes from the floor waste vents into living spaces.

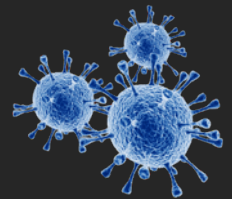
Missing your floor grate?

Install EzyDrain which can assist by covering the exposed opening to prevent items falling into your open plumbing pipe or to protect from accidental injury stepping in it

EzyDrain has been designed with the DIY consumer in mind, being easily fitted into 100mm and 90mm internal diameter floor drain waste fittings and pipes.

Designed in Australia and Patented worldwide, and all EzyDrain products act as a pathogen barrier to prevent disease with the simplicity of a spring loaded one-way trap mechanism.

Premium EzyDrain has the added benefit of proven AgNP antibacterial technology which is chemical free and kills harmful bacteria that cause disease.



COVID-19 and Plumbing

U-traps, which hold water at the bottom of plumbing pipes prevent air from circulating, when unprotected without EzyDrain, plumbing pipes can run dry or if air pressure changes cause gurgling that leads to infectious gases air leaks.

Stacked plumbing systems found in high rise buildings can spread diseases vents including COVID-19 from floor to floor through the connected plumbing systems and floor waste.

Infectious plumes drawn into living spaces can also infect air conditioning systems spreading the disease rapidly across connecting rooms or throughout multiple floor levels in high-rise apartments and buildings.

EzyDrain is a simple step towards protecting your living spaces and air conditioner 24/7 from contamination.





EzyDrain Uses and Benefits

EzyDrain is an ideal for homes indoor and outdoor or commercial buildings and kitchens. Premium EzyDrain has added benefit to kill harmful bacteria to reduce disease and mould. Designed to assist for more than smells, Other Uses And Benefits Are:

- Reduces Sick-house Syndrome
- A great option for adults, babies or pets sensitive or allergic to chemical fumes and products being used within proximity to the skin, lungs or nose
- Prevents suds rising from floor wastes
- EzyDrain will prevent dropped items such as jewellery going down the plumbing drainpipe
- Reduces or eliminates pests and rodents from entering or exiting the home via your floor drains
- EzyDrain won't interfere with any chemicals used in your drains and will prevent burping.
- Prevents or reduces water rising up through floor waste into your dwelling which is often found in low-lying dwellings built near lakes or rivers
- Reduces sound that travels through dry plumbing pipe into neighbouring units
- Reduces whistling caused from wind and air rising through plumbing pipes



Suitable For Outdoor Use



- In water tanks and grate-pits.
- Will reduce bugs and drain flies from breeding or entering, and stops bad smells permeating.

Fits in Obstructed Pipes



- EzyDrain Twinfin design Easily fits into obstructed Pipes caused by grout or debris without the need to remove it to install

Results Before & After EzyDrain installed into Plumbing Pipe



- EzyDrain spiraling vortex water distribution removes built-up grime, leaving your plumbing pipes pristine. Keep your plumbing pipes cleaner and fresher without any labour with EzyDrain

EzyDrain Premium antibacterial qualities, kills mould and disease 24/7 without the use of any chemicals

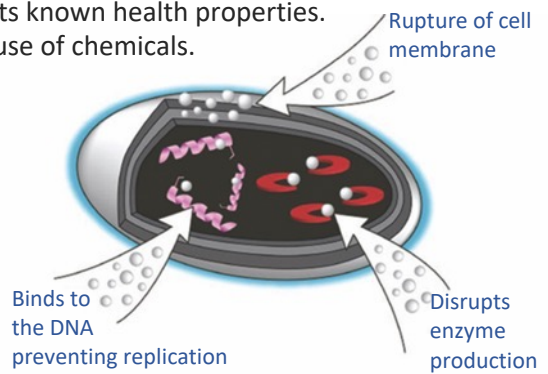
Premium EzyDrain Kills Harmful Bacteria

Recent studies show AgNPs protect against SARS-CoV2 (Covid-19)

AgNP's are well known for antibacterial qualities, the Phoenicians used Ag in storage vessels for water, wine and olive oil to prevent spoilage and has long been preferred because of its known health properties. EzyDrain is your antibacterial protection against disease without the use of chemicals.

When harmful bacteria comes in contact with Premium EzyDrain, the cell membrane ruptures, disrupting enzyme production by binding to its DNA to prevent replication.

With only a few Ag atoms needed to kill a cell, EzyDrain's unique plastic formulation provides more than a lifetime's supply of active antibacterial elements evenly blended throughout, ensuring that even if scratched, chipped or damaged, EzyDrain will continue to provide antibacterial protection 24/7.



Recent scientific studies as reported by National Institute of Medicine, PLOS and other reputable scientific journals reported AgNPs effectively inhibits extracellular SARS-CoV-2, by interfering with the structural proteins of the virus, and their ability to bind with cell receptors or genetic material interrupting replication. The main antiviral mechanism of AgNPs against SARS-CoV-2 is preventing viral attachment by damaging the surface proteins to disrupt the structural integrity of virions.

Scientifically Tested And Proven Results

There are many airborne diseases emanating from our sewers. These include: salmonellosis, shigellosis, diarrhoea, trachoma and melioidosis. EzyDrain antibacterial formula has a proven scientific bacterial kill rate performance level in testing conducted at the Microbe Test Centre and Laboratory in Guangzhou China.

Test Results prove Premium EzyDrain antibacterial plastic compound has a kill rate in the first 24 hours of:

• **44.12% on contact with Staphylococcus Aureus**

Staphylococcus aureus is a common bacterium that lives on the skin or in the nose, commonly referred to as golden staph. In most situations it is harmless. However, if it enters the body through a cut in the skin, it can cause a range of mild to severe infections, which may cause death in some cases.

• **42.29% on contact with Escherichia Coli**

Escherichia coli is one of the most frequent causes of many common bacterial infections, urinary tract infection (UTI), and traveller's diarrhoea, and other clinical infections such as pneumonia.

• **36.29% on contact with Staphylococcus Epidermidis**

Staphylococcus epidermidis is commonly isolated from healthy human skin, it is also the most frequent cause of hospital acquired infections from contaminated medical devices.

• **35.76% on contact with Pseudomonas Aeruginosa**

A bacteria and germ that can cause infections in humans, and can be spread to people in healthcare settings, it can cause urinary tract infections, respiratory system infections, dermatitis, soft tissue infections, bacteremia, bone and joint infections, gastrointestinal infections, and a variety of systemic infections.

• **24.53% on contact with Bacillus Cereus**

Although Anthrax remains the best-known Bacillus disease, recently other Bacillus species have been implicated in infections of abscesses, bacteremia/septicemia, wound and burn infections, ear infections, endocarditis, meningitis, ophthalmitis, osteomyelitis and peritonitis

• **23.15% on contact with Klebsiella Pneumoniae**

A "superbug" that causes a range of diseases people and can cause different types of healthcare-associated infections, including pneumonia, bloodstream infections, wound or surgical site infections, and meningitis.

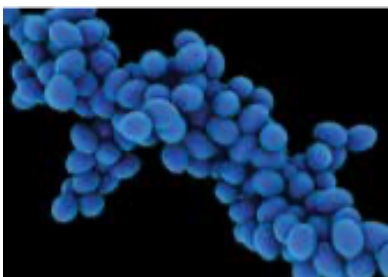
• **25.50% on contact with Enterococcus Faecalis**

Has a broad range of resistance genes and cause a variety of infections, including endocarditis, urinary tract infections, prostatitis, intra-abdominal infection, cellulitis, and wound infection as well as concurrent bacteremia.

• **23.20% on contact with Salmonella Choleraesuis**

A common cause of food poisoning.

EzyDrain Continues to kill harmful bacteria 24/7 beyond the proven test result report at a higher kill rate



Staphylococcus Epidermidis



EzyDrain Testing Microbe Institute



Escherichia Coli

EzyDrain Product Range

All EzyDrain products are a pathogen barrier to protect against air borne diseases escaping from floor wastes

EzyDrain is available in 2 product ranges which are: **Premium** (antibacterial) or **Economy**

- **Premium** – Chemical Free Antibacterial AgNP ABS - Scientifically Proven Kill Rates – **Blue** Packaged in Blister Pack
- **Economy** - Made with recycled ABS – Slate Packaged in Plastic bag & tag



Premium Range
Product Code: MP100

Ezydrain Multi Pack

Fits pipe & floor waste size 86mm to 105mm.

Premium bonus extra 2
O-rings included in pack



Premium Range
Product Code: HB90



Economy Range
Product Code: HB90e

EzyDrain 90mm Hard Bottom

Fits pipe & floor waste size 86mm to 90mm and also 100mm x 70mm long neck waste



Premium Range
Product Code: TF100



Economy Range
Product Code: TF100e

EzyDrain 100mm Twin Fin

Fits pipe & floor waste size 95mm -105mm



Premium Range
Product Code: HB100

Product Available
For wholesale
Purchases Only

EzyDrain 100mm Hard Bottom

Fits pipe & floor waste size 100mm to 105mm

Available only in:
Premium Range - Chemical Free and Anti-bacterial



100mm or 90mm
floor waste



90mm or 1000mm
plumbing pipe



100mm x 70mm
long neck

Contents: 1 x 90mm hardbottom & 1 x 100mm twinfin bases, 1 x flap top lid with instructions and product in blister pack.
The 'one-stop' solution. Choice of 2 size fittings.

Available in both:

Premium Range - Chemical Free and Anti-bacterial
Economy Range – Made with recycled ABS



90mm
Floor waste



90mm
plumbing pipe



100mm x 70mm
long neck

Contents: 1 x 90mm flap top lid and + 1 x base with 1 x gasket ring attached with fitting instructions and product card.
Base can be glued into pipe securely for high-pressure areas.

Available in both:

Premium Range - Chemical Free and Anti-bacterial
Economy Range – Made with recycled ABS



100mm
Floor waste



100mm
plumbing pipe

Contents: 1 x 90mm flap top lid + 1 x 100mm twin fin soft base ring with fitting instructions and product card
The simple choice for obstructed or irregular pipe shapes

Available in both: Wholesale only -Not Available for purchases Online



100mm
Floor waste



100mm
plumbing pipe

Contents: 1 x 100mm flap top lid and base + 2 x gasket rings attached with fitting instructions and product card
Base can be glued into pipe securely for high-pressure areas.

Fitting and Product Specifications

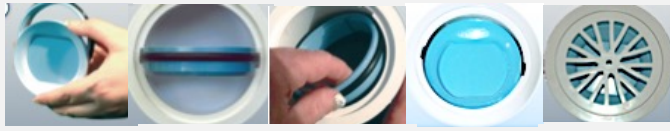
Product Installation

100mm Twin Fin – installed in one piece



1. Remove grill & tilt device on 180o Angle
2. Push device past opening and into pipe
3. Tilt and level device until flat and even
4. Replace Grill

90mm Hardbottom – installed in two pieces



1. Separate into 2 pieces
2. Insert base on 180o angle into pipe
3. Level base on using fingers into pipe
4. Insert flap lid flat & spin until locked
5. Replace Grill

Floor Fittings and Styles

Pipe Sizes	Pipe Only	90mm x 20mm	100mm x 20mm	100mm x 70
90mm 3.5"	Recommended: EzyDrain 90mm Hard Bottom (HB90 & HB90e) Also suitable: EzyDrain Multi pack (MP100)	Recommended: EzyDrain 90mm Hard Bottom (HB90 & HB90e) Also suitable: EzyDrain Multi Pack (MP100)	N/A Also suitable: EzyDrain Multi Pack (MP100)	Recommended: EzyDrain 90mm Hard Bottom (HB90 & HB90e) Also suitable: EzyDrain Multi Pack (MP100)
100mm 4"	Recommended: EzyDrain 100mm Twin Fin (TF100 & TF100e) Also suitable: EzyDrain Multi pack (MP100)	N/A Also suitable: EzyDrain Multi Pack (MP100)	Recommended: EzyDrain 100 Twin Fin (TF100 & TF100e) Also suitable: EzyDrain Multi Pack (MP100)	Recommended: EzyDrain 90mm Hard Bottom (HB90 & HB90e) Also suitable: EzyDrain Multi Pack (MP100)

Product Specifications

Product	Base and Lid	Pin and Springs	O-Rings and Seals
Premium	ABS plastic with AgNP	304 Grade Stainless Steel	Nitrile with AgNP
Properties and Resistance to:	<ul style="list-style-type: none"> Chemicals Dimensional stability and high tensile strength and stiffness Reduces bacteria and mould growth Excellent high and low temperature performance 	<ul style="list-style-type: none"> Ordinary rusting Most food processing environments Organic chemicals, dyes and most inorganic chemicals 	<ul style="list-style-type: none"> Mineral oils and greases containing a mineral oil base Reduces bacteria and mould growth Fuels like gasoline, diesel and light heating oils Animal vegetable oils and fats Hot water
Economy	Recycled ABS	304 Grade Stainless Steel	Nitrile
Properties and Resistance to:	<ul style="list-style-type: none"> Chemicals Dimensional stability and high tensile strength and stiffness Excellent high and low temperature performance 	<ul style="list-style-type: none"> Ordinary rusting Most food processing environments Organic chemicals, dyes and most inorganic chemicals 	<ul style="list-style-type: none"> Mineral oils and greases containing a mineral oil base Fuels like gasoline, diesel and light heating oils Animal vegetable oils and fats Hot water