

# HELPING YOU SAVE WATER ONE LITTLE GREEN BLOCK AT A TIME



**Not all urinal blocks are the same - our urinal blocks have been developed to remove the main cause of odours, blockages and waster wasting in urinals!**



If you think all urinal blocks are the same, then you may want to rethink! Urinal deodorizer blocks, or also known as urinal cakes main purpose is to disinfect and deodorize the washroom and urinal. These blocks work by slowly evaporating when they are in contact with the air - they will not evaporate in water! These blocks can sometimes be the cause of the problem.

The Bio Blitz™ Urinal Blocks deal with the common urinal problems by eliminating unpleasant smells, reducing blockages, improving hygiene, enhancing the appearance of the washroom and reduces both operating and maintenance costs.

When the urinal is flushed, the block slowly dissolves, releasing the friendly 'good' biological bacteria which sources the uric salt and sludge build up.

Once the bacteria is released from the block, they start to multiply in the urine-rich environment and produce the important enzymes which feed on the uric salts. These enzymes change the structure of the uric salts and sludge, making them soft and wash away when you next flush or clean the urinal. More bacteria from the block starts the process again keeping the urinal and plumbing odour and blockage free.

The Bio Blitz™ Urinal Blocks are safe to use, biodegradable and remove the need to use harsh chemical cleaners.

## **Key benefits**

- Australian Owned and Made
- Safe to use, Environmentally Friendly
- No additional hardware needed
- Non-Flammable
- Non-Corrosive
- Phosphate Free
- Biodegradable
- Reduces blockages
- Prevents odours
- Improves hygiene
- Keeps urinals looking good and smelling fresh
- Eliminates the need for harsh chemical cleaners
- Reduces your environmental impact



# Bio Blitz™ Urinal Blocks - dealing with the main cause of the problem, not covering it up!

Bio Blitz™ Urinal Blocks

## Why do urinal smells and how can Bio Blitz™ Urinal Blocks help?

In a logical attempt to remove odours, many businesses adopt one of the following solutions:-

- **Reduce urinal flush volumes** - this often causes a series of problems that lead to higher maintenance costs and more importantly smelly urinals and unhappy staff and cleaners. In an attempt to combat the smell, deodourising products and sanitisers are often installed to mask the smells as well as higher maintenance schedules of deep cleaning, often with powerful chemical cleaners.
- **Increase urinal flush volumes** - this only increases the water scale which then creates the perfect environment for the bacteria to multiply. More flushing simply means more water is being wasted.

What is causing the problem is a build up of uric acid crystals and sludge in the pipework and urinal components. This provides a breeding ground for airborne bacteria which feed and produce foul smells. The deposits are virtually impossible to remove with water and everyday cleaners which is why powerful chemical cleaners are necessary to shift them. This cleaning is only a temporary fix as with reduced flush volumes the deposits return even faster creating a cycle which results in people often abandoning their water saving goals.

### 1. Eliminating Odours

Typical urinal designs allow the bad bacteria from uric acid, salt and scale build up to cause bad odours. The bio-enzymes in the block penetrate uric acid, salts and scale to prevent bio-film forming and bad bacteria growing, thus treating the cause of unpleasant odours.

Over time, uric acid, salts and scale form a bio-film on the urinal waste trap, drain and pipework providing an ideal environment for bad bacteria to grow. When urinal flushing is reduced waste remains in the waste trap and pipework and hardened scale deposits build up. Along with chewing gum, hair and other foreign matter, this build up can cause blockages in the urinals and pipework

Not only are urinal blockages expensive to clear, the result of a overflowing urinal makes for a poor impression to staff and visitors. Overflowing urinals can cause significant damage to your premises that can end up being expensive to fix.

The Bio Blitz™ Urinal Block contain bio-enzymes (good bacteria) that penetrate uric acid, salts and scale to prevent build up. Waste is then simply washed out of the system on the next flush.

### 3. Save Water

It is widely recognized that washrooms, in particular urinals, are the biggest contributor to wasting water - a precious resource that can not be wasted. With the cost of water increasing, businesses are looking to reduce their water usage. With the Bio Blitz™ Urinal Blocks installed, businesses can save up to 97% of water currently being used.

### 4. Hygiene

Many chemical based cleaning solutions can be hazardous and can have a huge detrimental effect on the environment. The Bio Blitz™ Urinal Blocks friendly bio-enzymes remove harmful bacteria from the urinal which leaves washrooms completely fresh, clean and hygienic.

### 5. Environmental Impact

The Bio Blitz™ Green Urinal Block is fully Biodegradable and safe for the environment.

## How long does each urinal block last?

This will depend on the on a number of factors ranging from traffic and flushing volume and the number of times the urinal is flush during the day. On average, one block can last up to 10 - 15 days and is replaced once the block has reached 10% of it's size.

## Why are the Bio Blitz™ Urinal Blocks different to deodourising blocks?

Our urinal blocks contain active biological bacteria which are biodegradable and environmentally friendly. Deodourising blocks are commonly made up of harsh chemicals which cover/mask the odour - they don't remove the problem

The Bio Blitz™ Urinal Blocks require water to dissolve the block, while other blocks require air to dissolve. This can cause blockages over time as these blocks can not dissolve once they have fallen down the waste outlet.

## Why do your urinal blocks include a copper inhibitor?

Human urine is approx 96% water with around 4% of other dissolved substances including:

- Urea - a sticky substance
- Urochrome - gives urine it's yellow colour
- Uric Acid - a mild acid which is high in nitrogen
- Sodium - Ammonium
- Potassium

Urine and Uric Acid do not attack brass or copper pipe work, it's when bacteria consumes the uric acid, it produces ammonia which attacks the copper piping. The Bio Blitz™ urinal blocks have a copper inhibitor included to coat the pipe work.

## Are you buying Australian owned and made?

The Bio Blitz™ Biological Cleaner Concentrate is part of the Ausbuy program. Ausbuy is the only organization that represents Australian owned businesses.

The Ausbuy logo helps users to make that important decision whether to purchase an Australian owned and made product which importantly keeps people in jobs with the money staying in Australia, or they can purchase an imported product which jobs and money goes off shore.

## Available in:

Tub of 50 and 100 blocks

[www.bnsolutions.com.au](http://www.bnsolutions.com.au)  
ph 1300 730 551