



## BIO CLEANING SOLUTIONS

# GreenWorx

CLEANING SOLUTIONS

### Uri Pod

### Urinal anti-splash back bio device

**A premium urinal accessory that eliminates splash, eradicates organics and malodours found in urinals and drain lines**  
**Uri Pod is the ultimate urinal accessory**

Malodour and poor hygiene in a men's restroom is an age-old problem that, together with any evolution in urinals, has never really been adequately addressed – until now. Almost every urinal device on the South African Market is ineffectual with regards to anti-splash, treatment of malodour (not masking malodour) and eradicating unwanted and harmful microorganisms.

## DATA SHEET

### Benefits

- Uri Pod reduces back-splash by as much as 90%
- Uri Pod releases a pleasant fragrance impregnated in the mat and from the bio-enzyme disc which keeps the urinal and the surrounding areas smelling fresh for up to 30 days or 3000 flushes (depending on the frequency of use)
- The combination of a bio-enzyme tablet housed in the mat will prevent malodours from stale urine for up to 30 days by the process of degradation of organics found in the urinal, and drain lines
- Unique ribbed and pin-cushion design prevents even the smallest debris falling into the urinal trap causing potential drain blockages
- Innovative angled pin and ribbed design keeps urinal area clean and inhibits unwanted splash back

### Features

- Safe installation – the soft material used allows for use in most urinal shapes and sizes
- Safe disposal – the Uri Pod and all its packaging can be fully recycled
- Activated fragrance burst from the mat and bio-enzyme disc increases fragrance lift on contact with fluid
- The pin cushion are target orientated allowing better aim for user
- Combined use with Bio Tech GTX a bio-enzyme cleaning formulation allows you to discontinue your conventional sanitiser
- Universal design fits all styles of urinals
- The ribbed edge design allows urinal to flush quickly
- Unique anti-slip polymer feature keeps the device in an optimum position in the urinal
- Uri Pod is suitable for both conventional urinals and waterless urinals including trough type urinals
- The most cost effective product on the South African market when combined with Bio Tech GTX for cleaning the urinal and surrounding tiles



## PRODUCT CHARACTERISTICS

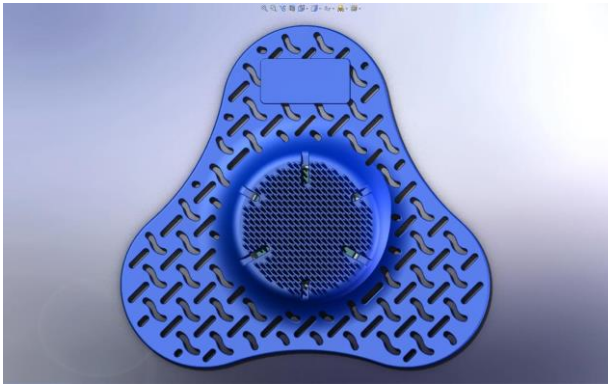
- **Bacteria Counts** : 1,0 X 10<sup>8</sup>/ml (100 million spores/ml)
- **Bacteria Type** : Bacillus consortium producing the following enzymes:
  - ✓ **Protease** – breaks down proteins (e.g. meat, excreted/secreted proteins) into amino acids

- ✓ **Lipase** – breaks down fats/grease into fatty acids & glycerol. If not broken down, fats can go rancid & lead to off-odours and blocked drains/fat grease traps.
- ✓ **Amylase** – starch acts as a glue for dirt – amylases catalyze the break-down of starch into sugars which are then further used as a food source by the bacillus
- ✓ **Cellulase** – breaks down cellulosic material
- ✓ **Urease** - catalyzes the hydrolysis of urea into break-down products.
- ✓ **Esterase** - splits esters into an acid and an alcohol in a chemical reaction with water called hydrolysis. Esters have characteristic odours most of which are pleasant/fruity, however can also include onion/garlic and worse odours
- ✓ **Xylanase** – help in breaking down plant cell walls.
  - What this means – the bacillus use the multitude of enzymes produced to break down the components of malodours and staining to provide microbial cleaning at the smallest level of dirt/contamination.

- **Salmonella** : Not detected
- **Appearance** : A polymer clover leaf shape
- **Fragrance** : Pleasantly perfumed
- **Shelf-life** : Two years; maximum loss of 1.0 log at recommended storage condition

## Installation Guide

Place the Uri Pod face up in the center of the urinal for best effect



Photographic evidence of the combined effect of the bio disc and Bio Tech GTX on the drainage system of a conventional urinal

**BEFORE treatment**

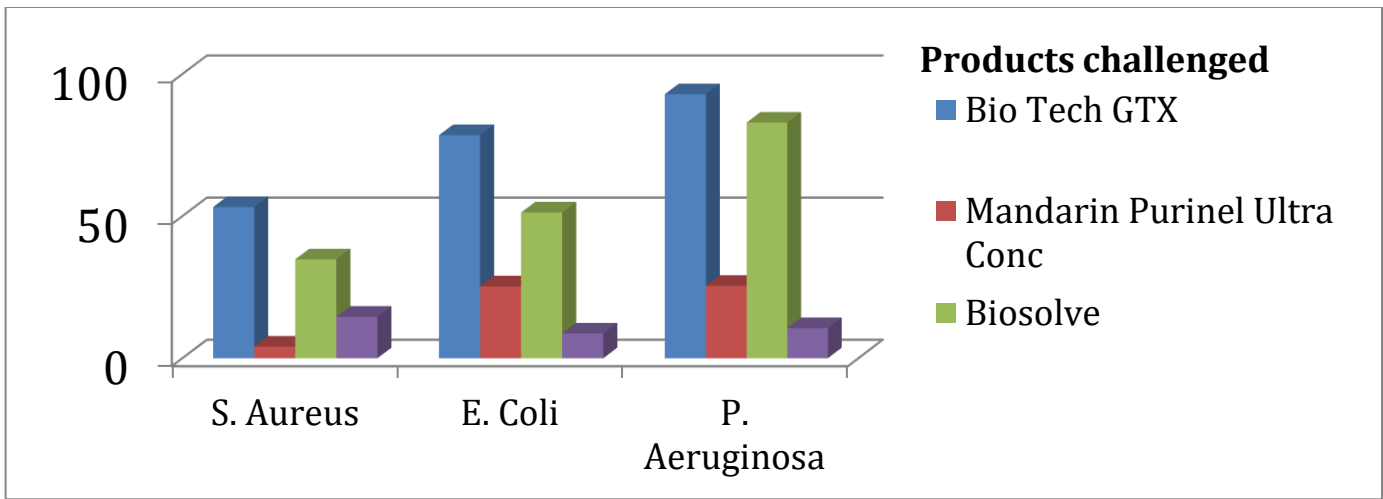


**14 Days AFTER treatment**



**Do not use conventional chemicals in conjunction with the Uri Pod or Bio Tech GTX family as this will inactivate the bacteria in the bio-enzyme tablet and or liquids.**

A recent challenge test comparing **Bio Tech GTX** to leading sanitizers found that **Bio Tech GTX** was more effective in outperforming harmful pathogens. All tests were conducted by a SANAS accredited micro laboratory – a full copy is available on request. Graphic representation of **Bio Tech GTX** superiority in outperforming common pathogens found in toilets and urinals.



### How does Bio Tech GTX outperform these pathogens?

In contrast to the 5mins kill time as per the SABS standard being the quickest time a sanitizer (QAC-based) is supposed to kill the most common hygiene microorganisms, S. aureus, E. coli and P. aeruginosa. From a hygiene point of view, you need to sanitize and continue working, whether it's cooking, manufacturing or sanitizing toilets or urinals etc. nowadays, sanitizer manufactures are heading towards 1 minute kill time, i.e. The quicker the sanitizer kills bugs, the sooner you'll start with your work – however in a toilet this is not always required. However with Bacillus-containing sanitizers, it's different as these are live bacteria that need to compete with other microorganisms for the same food sources hence the longer contact times required. The pattern that bacillus uses (as seen in the study) to kill or out compete the others showed to be due to its morphological structure. That is, where it grows (splits cells), other microorganisms will move away from that site of the food source. Since it has a larger morphological structure than other organisms (competing against) it 'sort of' creates a zone of inhibition of growth of other microorganisms (morphological inhibition) hence, we get fewer numbers of other microorganisms surviving but more bacillus.

### Product variants:

- Uri Pod is available in a deep Blue colour and is combined with a biological treatment tablet
- Uri Pod combined with Bio Tech GTX is the preferred cleaning agent in urinals and surrounding areas
- Odorite Bio Cubes
- Odorite Fem-Fresh deodorizer for female sanitary bins
- Odorite Rim Block for use in toilets

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