

GT BIO BLOCK

Accumulation of fats, oils and greases (FOG) is the main cause of blockages and floods in drain and sewer lines, the cause of failure in lift stations and wet well operations, and results in malodour (oxidative rancidity, anaerobiosis, pest breeding grounds) in most cases. Problems caused by discharge of FOG are widespread and represent huge direct and indirect remedial action cost

Product Description

GT Bio Block is a slow-release solid solution designed to treat fats, oils, and grease (FOG) build-up throughout drain lines from sink discharge to sewage treatment systems. Ideal for both marine and land based environments, its modular format suits various flow conditions and sizes. The block continuously releases bacteria, emulsifiers, and odour counteractants over 4–6 weeks, delivering effective, low-maintenance treatment that aligns with typical maintenance cycles even under low-oxygen conditions.

Key Features

- Controls FOG-related blockages and odour at the source
- Modular format suitable for all flow conditions and drain types
- Solid slow-release block lasts 4–6 weeks
- Contains bacteria, emulsifiers, and odour counteractants
- Operates effectively in low dissolved oxygen environments
- Suitable for marine and land-based sewage systems
- Reduces maintenance needs and operational disruptions
- Fits with common inspection and service intervals
- Targets entire drain system from discharge point to STP

APPLICATION AREA

GT Bio Block is specifically manufactured for slow release. Combination of selected surfactants, binders & salts form a protective gel when the product is immersed in water. This ensures that turbulence and shear forces of fast flowing effluent does not overdose the system nor reduce the lifetime of the product. For example, the 5Kg GT Bio Block will release approximately 125g active material per day – even at temperatures up to 50oC. Additionally, GT Bio Block is available in a tight mesh geo-textile filter sock that further reduces release by about 10X. The sock is manufactured from stitch bonded cotton & provides high tensile strength (see illustration below). This is useful in particularly fast flowing waste streams, or where a longer lifetime is required (up to 3 months). GT Bio Block is completely soluble and leave no residue for disposal. If used in the sock provided, this is biodegradable and can be disposed of as compostable waste.

DIRECTIONS FOR USE

Place the bio block in the water phase, just below grease build area. Adjust once the grease starts to degrade, and the difference between water and grease phase changes

Product Information

Parameter	Specification
Sock Size – 2kg	10 cm diameter × 12 cm depth
Sock Size – 5kg	16 cm diameter × 14 cm depth
Construction	Solid (Blue)
Sock Material	Tight mesh cotton woven tube, bonded stitch
Microbial Count	Average 3e9/g
Microbial specification	Consortium of 6 x Class 1 Bacillus strains (5 species), QPS certified
Product Shelf-life	24 months (unopened/cool/dry)



Features & Benefits

- ✓ Contains bacterial consortia specifically selected for degradation of FOG
- ✓ Side activities include degradation of a wide range of other sewage and food wastes
- ✓ Reduces sludge and pump-out frequency
- ✓ Mitigate or controls malodour (VFA's, H₂S, NH₃, other volatile sulphur/ammoniacal odours)
- ✓ Can reduce BOD/COD and TSS.
- ✓ Simple and safe chemistry to compliment biological activity.
- ✓ Modular design to offer versatility and cost effectiveness.
- ✓ Easily placed at any position or height within the system dependent upon the application
- ✓ Requires no power supply so easy to install and maintain.
- ✓ Fit and forget; provides 24 hr continuous application
- ✓ Lasts for 4-6 weeks (net) or 4-12 weeks (sock)
- ✓ Low daily treatment cost
- ✓ Includes mal-odour counteractants (specifically H₂S)
- ✓ Reduces maintenance costs

i Disclaimer

The information provided in this Technical Data Sheet is accurate at the date of issue and should be used for indicative purposes only. Please refer to your Company Representative for specific User instructions as to how these relate to your usage requirements. Please note that GNC Marine is not liable for claims, damages, costs or expenses of any kind arising from the mishandling of the product or changes that might occur during the handling, storage and application conditions provided by any third party who does not follow the minimum requirements defined in the SDS. Please refer to the SDS for further information regarding the handling, storage and application procedures for the product.

Product Information

Packaging: 2x5kg / 6x2kg
Product Code: 80007-10 /12

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