



RAPIDZYME

Biological-Enzymatic Waste Treatment

Fast-Acting Enzymatic Waste Digestion

Rapidzyme is a biological-enzyme formula that breaks down fats, proteins, and fibres, preventing blockages and odours in pits, drains, and holding tanks.

BIO SYSTEMS EUROPE



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RAPIDZYME

Biological-Enzymatic Waste Treatment

Advanced Enzymatic Solution for Organic Waste Breakdown

Rapidzyme is a powerful bacteriological-enzymatic compound designed to accelerate the breakdown of fats, proteins, and cellulose in holding tanks, pits, drains, and wastewater systems.

By combining aerobic and anaerobic bacteria with highly active enzymes, Rapidzyme effectively reduces odours, prevents blockages, and enhances organic waste digestion.

Specifications

Form: Free-flowing granular powder

Colour: Buff to Brown

Specific Gravity: 0.5 – 0.7

Contents:

- Selected non-pathogenic bacteria
- Soluble micronutrients to support microbial growth
- Surface tension depressants for improved dispersion

Storage Conditions:

Store in a cool, dry place



Biodegradable, non-corrosive, and safe for use in septic systems, pits, drains, and agricultural applications.

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Key Benefits

- ✓ Breaks down fats, proteins, and fibres, liquefying solid waste.
- ✓ Prevents blockages, ensuring smooth drainage.
- ✓ Reduces odours and suppresses harmful gas emissions (e.g., ammonia).
- ✓ Decreases maintenance costs by reducing pit emptying frequency.
- ✓ Environmentally friendly – non-toxic, biodegradable, and safe for all waste systems.

How it Works

Rapidzyme contains a highly effective combination of:

Anaerobic bacteria – for waste digestion in oxygen-deprived conditions.

Aerobic bacteria – for enhanced organic matter breakdown in aerated environments.

Specialised enzymes:

- **Amylases** – Break down starches into soluble sugars.
- **Proteases** – Convert proteins into amino acids.
- **Cellulases** – Break down fibres into sugars.
- **Activators & wetting agents** – Improve enzyme activity and contact with waste.

Application & Dosage

Initial Dose: 1kg per 20m³ of holding tank per m² per day (for 3 days)

Maintenance: Repeat every 25 days

For best results:

Dissolve in warm water (below 40°C) and let it rest for 20–30 minutes before application.

For large systems:

Mix with as much water as possible for even distribution.

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