



EU15

Biological Filter Media

Long-Life Media for Air & Wastewater Odour Control

EU15 is a high-performance, mineral-based filter media designed for biological odour control in air emission systems and wastewater treatment.

BIO SYSTEMS EUROPE



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Its unique structure supports rapid bacterial colonization and long-term system stability.

Specifications

Form: Granular

Particle Size: 3-8 mm (granules)

Surface Area: 12.55 m²/g

Packaging: 25kg poly bags or 1000kg bulk bags

Moisture: >3%

Ash Content: 88-94%

pH: 9.5 – 10.5

Operational Life: 10+ years

Storage Conditions:

Store in a cool, dry place

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Key Benefits

- ✓ Supports fast bacterial growth for odour breakdown
- ✓ Removes H₂S and VOCs from air and wastewater systems
- ✓ Maintains pH balance – no chemical buffers required
- ✓ Durable – 10+ year operational lifespan
- ✓ Ideal for filters up to 2m deep

How it Works

EU15 is made from calcified seaweed, processed to create a porous, honeycomb-like granule with an exceptionally high surface area (12.55 m²/g). This physical structure provides the ideal habitat for beneficial bacteria to colonize and thrive.

- **Key features:** • 10-micron cell structure promotes dense biofilm formation
- **Slow-release micronutrients** enhance bacterial activity
- **Natural buffering capacity** stabilizes pH without added chemicals

The result is a self-sustaining biofiltration system that efficiently breaks down odour-causing compounds such as hydrogen sulphide and volatile organic compounds (VOCs).

Typical Applications

- Biological air filters
- Wastewater treatment biofilters
- Refurbishment of existing filter beds
- Compliance with odour control regulations

Typical Mineral Composition

Calcium (32%), Magnesium (2.2%), Sodium (0.20%), Iron (0.05%), plus trace levels of Boron, Iodine, Zinc, Copper, Selenium, and more.

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The Natural Choice for Long-Term Biological Filtration