



BIO SPIKE

In-Situ Remediation Block

Targeted Treatment for Soil & Groundwater Contamination

Bio Spike is a slow-dissolving microbial block designed for the in-situ treatment of hydrocarbon-contaminated soil and groundwater.

BIO SYSTEMS EUROPE



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Targeted Treatment for Soil & Groundwater Contamination

Bio Spike is a slow-dissolving microbial block designed for the in-situ treatment of hydrocarbon-contaminated soil and groundwater.

Ideal for brownfield sites, shallow water tables, and areas where excavation is impractical or costly.

Specifications

Form: 20x 500g soluble block

Colour: Red

Solubility: >99.5% @ 20°C

pH: 6.5 – 7.5

Packaging: 10kg buckets

Storage Conditions:

Store in a cool, dry place



**Safe for people, animals
and the environment**

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Key Benefits

- ✓ Breaks down hydrocarbons in soil and groundwater
- ✓ Eliminates the need for major excavation
- ✓ Easy, low-maintenance installation
- ✓ Extends treatment area via natural bacterial migration
- ✓ Effective in settlement tanks and sludge zones

How it Works

Bio Spike is inserted into a 50mm borehole at the desired depth. Upon contact with groundwater, the block slowly dissolves, releasing:

- **Proprietary bacteria** – including high concentrations of Pseudomonas strains, proven to degrade long-chain and complex hydrocarbons
- **Micronutrients** – support rapid bacterial growth and activity
- **Slow-release binder** – ensures sustained remediation over time

As the bacteria activate, they migrate naturally through groundwater and contaminated zones, permanently breaking down pollutants in situ.

Applications

- Insert into 50mm boreholes at targeted depths
- Suitable for groundwater zones and shallow contamination
- No need for pumps, excavation, or machinery
- Also effective for sludge reduction in tanks and lakes

Bio Spike
Smart, Sustainable Remediation
from Below the Surface