BIO FILM
AIR POLLUTANT FILTRATION

Biofiltration is the energy-efficient technology for the control of volatile organic compounds (VOCs). Biofiltration controls odours from wastewater treatment facilities, compost facilities, rendering plants and other odour-producing operations. This process uses a media mix of natural carbon and trace elements to create an active biological bed through which VOCs are passed. Contaminant compounds diffuse from the gas phase to the liquid or solid phase in the media bed. They then transfer to the Biofilm layer where microbial growth occurs and the contaminants are biodegraded. When working efficiently, the biofiltration media removes more than 90% of the air pollutants, including those that some agencies class as hazardous.Maintenance involves media replacement, moisture control of the filter bed, hardware upkeep and some special requirements depending on the specific biofilter chosen. Most biofilter systems provide for automatic monitoring and logging of gas temperatures, pressures, humidity and flow rate. Bed media and filtration require manual testing.

PRODUCT SPECIFICATIONS

Particle size:	0-50mm
Product type:	Technical media
Wind resistance rating:	B
pH*:	6.8-8.0
AFP:	44%
Bulk density:	700kg/m^3

*due to the organic base, pH/AFP is an indicative average only.

INGREDIENTS

Bark fines to create an environment suitable for microbe activity.
Nuggets and cambium bark which support a higher AFP.
Organic shell to assist with deodorising.

CONSULTANCY

Wholesale Landscapes have the capabilities to provide expert consultants to advise on your project. Common services undertaken by Wholesale Landscapes include testing of current conditions, reporting findings and creating a recipe and product suitable for your site.

APPROXIMATE FREIGHTING VOLUMES (FULL UNITS)

Approximately 42m^3 per truck-trailer unit.

Approximately 17m^3 per truck-only unit.

CUSTOM PRICING & SAMPLES

For project-specific quotes please contact our sales team to discuss.

Freephone: 0800 421 000 | Phone: 03 547 4836 | Fax: 03 547 3258
Email: sales@wholesalelandscapes.co.nz | Address: 55 Saxton Road, Stoke, Nelson 7011, New Zealand