

bio filtration solutions

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www.melcourt.co.uk

Filtrated air - naturally - with a wide choice of biofiltration media produced to rigorous, consistent standards.....

.....and a service which includes not only the supply of FSC certified biofilter medium but also system design and installation PLUS removal and recycling of spent medium to achieve massive savings in landfill costs.

- Melcourt have over 20 years experience in the production, supply and installation of bio-filter media to deal with odorous air.
- We have a unique range of media - the most comprehensive of its kind in the industry.
- As well as being cost-effective, bio-filtration solutions provide an environmentally acceptable approach. Our wood-based products are all FSC Certified whilst other materials are all taken from sustainable, renewable sources. All can be removed at end of life and are fully recyclable.
- Product supplied world-wide from stock.
- Prompt and practical customer service including rapid response to requests for quotations.



Melcourt Biofiltration at work (above) at one of the most advanced waste treatment facilities in the UK at Avonmouth. "The consistency and quality of the material was superb," says Nathan Ross, project manager for New Earth Solutions at Avonmouth. Pictured below is Melcourt product in use at a similar installation at Lutterworth in Leicestershire.







Melcourt biofilters are already working successfully in:

- household waste recycling centres
- sewage and sludge treatment plants
- waste water treatment
- food and drink processing
- animal by-product rendering
- abattoirs
- pet food processors

Give us a call on 01666 502711 to see how we could work for you!



Melcourt Biofiltration Media Technical Information Summary

	Melcourt Biofil® Medium	Melcourt Biofil® Coarse	Melcourt Filter Bark™ Medium	Melcourt Filter Bark™ Coarse	Melcourt Calcified Seaweed	Melcourt Bioshells®
						
Main constituent	Wood	Wood	Pine Bark	Pine Bark	Seaweed	Shells
Origin	British	British	European	European	European	British
Nominal particle size range	5 – 40 mm	15 – 100 mm	15 – 75 mm	50 – 125 mm	1-5 mm	20 – 30 mm
Wood content	>85%	>85%	<5%	<5%	n/a	n/a
Dust & fines	Minimal	Minimal	Minimal	Minimal	n/a	<5%
pH	4.5 – 6.0	4.5 – 6.0	4.5 – 6.0	4.5 – 6.0	8.5	6.0 – 8.0
Bulk density range	250 – 310kg/m ³	250 – 300kg/m ³	180 – 240kg/m ³	200 – 250kg/m ³	910 – 950kg/m ³	525 – 575kg/m ³
Quality range	Deluxe	Deluxe	Deluxe	Deluxe	Deluxe	Deluxe
Minimum effective depth	1000 mm	1000 mm	1000 mm	1000 mm	500 mm	300 mm
Settlement factor	15-25%	15-25%	15-25%	15-25%	1-3%	n/a
FSC certified	Yes	Yes	Yes	Yes	n/a	No
Durability (see note below)	3 years+	4 years+	3 years+	4 years+	8 years+	2 years+

Available as:

Loose bulk	Yes	Yes	Yes	Yes	Yes	Yes
Polythene sacks	Yes	Yes	Yes	Yes	Yes	Yes
Bulk bags	Yes	Yes	Yes	Yes	Yes	Yes

Durability: This is a guide only as aggressive odours, management and maintenance of the filter will effect the media's life.

Liability: Products in the Melcourt Biofilter range are processed to be used as media in filters handling organic odours and have been tried in a range of conditions over several seasons. However, as Melcourt has no control over the circumstances surrounding the use of their products, the company cannot accept liability for every eventuality.

All values given in the Product Specification are typical. However, some variation may occur from time to time. Melcourt Industries Ltd reserves the right to alter the specification without notice, for the purpose of product improvement.

Typical applications

Comprehensive technical data for all our products at www.melcourt.co.uk

Installation type

Open-top tank/ vessel <1m deep	✓		✓		✓	
Open-top tank/ vessel >1m deep	✓	✓	✓	✓	✓	
Enclosed tank/ vessel <1m deep	✓		✓		✓	✓
Enclosed tank/ vessel >1m deep	✓	✓	✓	✓	✓	✓
Odour intensity	Low – Medium	Low – Medium	Low – Medium	Low – Medium	Low	High
Air volume	100 – 100,000m ³ /hr	100 – 100,000m ³ /hr	100 – 100,000m ³ /hr	100 – 100,000m ³ /hr	0 – 100,000m ³ /hr	100 – 100,000m ³ /hr

