

## Technical Information Melcourt Biofil<sup>®</sup> - Coarse - FSC

### Product Description

A long-lasting, high performance, matured and graded chunky woodchip suitable for most biofilter applications where odours are organic in origin - e.g. sewage and sludge works, food processing factories, animal by-product rendering plants, abattoirs, pet food processors, worm, maggot and pig farms

- Nominal particle size range 15 – 100mm
- Processed from sustainable British timber
- Certified by the Forest Stewardship Council (FSC)
- Light brown/beige in colour
- Good durability of 4 years plus
- High resistance to compression
- High resistance to wind erosion
- High surface area for maximum microbial activity
- Low bulk density
- Suitable as an air flow skeleton for smaller, softer biofilter media
- Supplied in 75 litre bags, bulk bags and loose bulk

### User Benefits

- Free flowing and easy to install mechanically or by hand
- The special blend of particle sizes ensures minimum compression and high gas residence time in the media
- One of the longest lasting organic biofilter materials currently available
- Successfully used in numerous biofilters
- Low maintenance media
- Does not absorb too much weight from moisture in odorous gases

### Installation Rates

- Can be installed at depths of up to 2.50 metres without severe increase in back pressure.
- Can be used in association with other biofilter media either as a foundation layer, as a media skeleton or capping coarser material such as Melcourt Filter Bark - Coarse.

### Note

For international customers, fumigation treatment and heat treated pallets can be provided, together with full and complete paperwork documentation.



### Contact

Melcourt Industries Limited, Boldridge Brake, Long Newnton, Tetbury, Gloucestershire. GL8 8RT  
Tel: +44 (0)1666 502711 Fax: +44 (0)1666 504398 Email: [mail@melcourt.co.uk](mailto:mail@melcourt.co.uk)  
Web Site: [www.melcourt.co.uk](http://www.melcourt.co.uk)

## Melcourt Biofil® - Coarse - FSC

The following text is recommended to be used by civil engineers and product specifiers, when inviting quotations for this product. The use of this text will not contravene the copyright of this publication.

“

### Product Specification

- The product shall consist of selected conifer and/or hardwood chips with an even nominal particle size of 15-100mm, minimal dust or fines, and 85% plus wood content.
- The pH to be between 4.5 and 6.0.
- The product shall be Forest Stewardship Council (FSC) certified

### Application Rates

- Install Melcourt Biofil® - Coarse to a depth of ..... metres (insert filter depth required) allowing .....% (see below) settlement for handfilling and .....% (see below) for mechanical filling.

### Additional Clauses

- Typical product samples to be provided upon request.
- All product volumes to be calculated using The Bulk Density method, as set out in BS EN 12579:2000 and BS EN 12580:2000.

### Available from

Melcourt Industries Limited  
 Boldridge Brake, Long Newnton,  
 Tetbury, Glos GL8 8RT  
 Tel: +44 (0)1666 502711  
 Fax: +44 (0)1666 504398  
 Email: mail@melcourt.co.uk  
 Website: <http://www.melcourt.co.uk>

”

The following table gives a guide to the product settlement percentages that should be added to the volume calculation for this product:

Biofil® - Coarse depth required	0.25 - 1.00 m	1.00 - 1.25 m	1.25 - 1.50 m	1.50 - 1.75 m	1.75 - 2.00 m
Settlement Factor - Hand Filling	5%	10%	15%	20%	25%
Settlement Factor - Mechanical Filling	20%	25%	30%	35%	40%

If Melcourt Bio-filter media is installed mechanically or driven on during construction, additional quantities may be needed. The greater the compaction, the higher the back pressure.

Product settlement percentages are provided for your guidance only. If the product settles more than the minimum figure stated, it is the customer's responsibility to order sufficient additional material, to give the required finished depth.

### TECHNICAL SPECIFICATION

Main Constituent	Origin	Nominal particle size range	Wood content
Wood	British	15 - 100 mm	> 85 %

Dust & fines	pH	Typical Bulk Density Range	Durability	FSC Certified
Minimal	4.5 - 6.0	250 - 300 kg/m <sup>3</sup>	4 years +	Yes

All values given in the Technical 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.