

Melcourt Bio-Filter Media Product Technical Specification Guide

	<u>Melcourt Biofil® - medium</u>	<u>Melcourt Biofil® - coarse</u>	<u>Melcourt Filter Bark™ medium</u>	<u>Melcourt Filter Bark™ coarse</u>	<u>Melcourt Heather™</u>	<u>Melcourt Bioshells®</u>
1. Main constituent	Wood	Wood	Pine Bark	Pine Bark	Heather	Shells
2. Origin	British	British	European	European	British	British
3. Nominal particle size range	5 - 40 mm	15 - 100 mm	15 - 75 mm	50 - 125 mm	1 - 600 mm	20 - 30 mm
4. Wood content	> 85 %	> 85 %	< 5 %	< 5 %	nr	nr
5. Dust & fines	Minimal	Minimal	Minimal	Minimal	Minimal	< 5 %
6. pH	4.5 - 6.0	4.5 - 6.0	4.5 - 6.0	4.5 - 6.0	4.5 - 6.0	6.0 - 8.0
7. Bulk Density Range	250 - 310 kg/m ³	250 - 300 kg/m ³	180 - 240 kg/m ³	200 - 250 kg/m ³	325 - 400 kg/m ³	525 - 575 kg/m ³
8. Quality range	Deluxe	Deluxe	Deluxe	Deluxe	Deluxe	Deluxe
9. Minimum effective depth	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	300mm
10. Settlement factor (see note below)	15-25 %	15-25 %	15-25 %	15-25 %	15-25 %	nr
11. FSC Certified	Yes	Yes	No	No	No	No
12. Durability (see note below)	3 years +	4 years +	3 years +	4 years +	3 years +	2 years +



Contact

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NOTES

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

Bio-filter 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 - Hand Filling	5%	10%	15%	20%	25%
Settlement - 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.

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.



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