

## Technical Information Melcourt Bioshells®

### Product Description

A shell-based biofilter medium with a very high surface area, suitable for all 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 etc.

- Particles in the range 20 - 30mm
- Processed from a by-product of the seafood industry
- Good durability of 2 years plus
- High surface area for maximum microbial activity
- Open structure
- Sold in loose bulk by volume

### User Benefits

- Low maintenance media
- Free flowing and easy to install mechanically or by hand
- Successfully used in numerous biofilters
- Does not absorb too much weight from moisture in odorous gases

### Installation Rates

- Can be installed at depths of up to 3.0 metres without severe increase in back pressure
- Can be used in association with other biofilter media
- Under normal circumstances the Bioshells® media is self supporting and will not be subject to compaction
- Care should be taken when handling to minimise breakage of the media



### 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 Bioshells®

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## Product Specification

- The product shall consist of selected cockleshell with a nominal particle size of 20-30mm.
- pH to be between 6.0 and 8.0.

## Application Rates

- Install Melcourt Bioshells® to a depth of ..... metres (insert filter depth required).

## 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>

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## TECHNICAL SPECIFICATION

Main Constituent	Origin	Nominal particle size range
Shells	British	20 - 30 mm

CaCO <sub>2</sub> content	pH	Typical Bulk Density Range	Durability
> 70%	6.0 - 8.0	525 - 575 kg/m <sup>3</sup>	2 years +

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.