

# Melcourt<sup>®</sup>

## Industries Limited

Proven • Safe • Sustainable

### Technical Information Melcourt Playsand™

#### Product Description

A multi-washed and triple-screened silica sand-based loose impact absorbing surface (LIAS) from our 'deluxe' range suitable as an effective surface in play areas, or with play pits and indoor games areas, and where fall heights are lower

- Nominal particle size range 0.25 – 0.45mm
- Light beige in colour
- Non-staining and non-marking
- Free-draining allowing safe play throughout the year
- Compliance to BS EN 1176, confirms that Melcourt Playsand™ meets a nationally accepted industry standard
- Totally fire resistant
- Excellent durability of 6 – 8 years plus
- Sold in 15 litre bags, bulk bags by weight and loose bulk by weight



#### User Benefits

- Independently tested in accordance with the requirements of BS EN 1176, at depths of 300mm, 200mm and 100mm giving critical fall heights of 6.45metres, 3.11 metres, and 1.17metres respectively
- Pre-washed and dried, preventing staining and marking of children's clothes, which can be a serious problem with ordinary sand
- Rapid drainage during wet weather allows play all year round
- Easy to install and maintain
- Vandal resistant
- Hostile living environment for pests
- Extremely cost-effective
- Easy to relocate

#### Design, Installation and Aftercare

Melcourt offers extensive advice on design, installation and aftercare using products from our Play Range, together with up-to-date information on many contractual and standards issues regarding play areas. This information can be found on our website at [www.melcourt.co.uk](http://www.melcourt.co.uk).

## Melcourt Playsand™

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



### Product Specification

- The product shall consist of silica sand with an even nominal particle size distribution of 0.25 - 0.45mm, which has been multi-washed and triple screened.
- The product shall be pest, disease and weed free and not have been treated with any additives, colorants or dyes.
- The product shall comply with BS EN 1176 and be installed to a layer thickness of 100mm more than that found by laboratory testing to achieve the required critical fall height.
- The product shall have been tested in accordance with the requirements of
- BS EN 1176, at depths of 300mm, 200mm, and 100mm.

### Application Rates

Lay the Melcourt Playsand™ LIAS to a finished depth of ..... mm (insert finished depth required) allowing at least 5% for settlement after 30 days.

### Additional Clauses

- Copies of all current British Standard test certificates to be provided on request.
- Typical product samples to be provided on request.
- All product quantities to be calculated in tonnes.

### 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>



Melcourt Playsand™ is sold by weight when in bulk bags or loose bulk. 1.0 tonne is approximately 0.67 m<sup>3</sup>

To comply with BS EN 1176, the LIAS used must be installed to a layer thickness of 100mm more than that found by laboratory testing to be necessary to achieve the required critical fall height.

The following table gives a guide to the area in square metres, covered by one cubic metre, when evenly laid at the given depths:

<b>LIAS depth required (mm)</b>	300	200	100
<b>Square metres covered by 1m<sup>3</sup> of LIAS</b>	2.2	3.4	6.7

A suitable allowance for settlement should be made, as stated in the Technical Specification table below..

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

<b>Main Constituent</b>	Silica sand
<b>Origin</b>	British
<b>Nominal particle size range mm</b>	0.25-0.40mm
<b>Wood content</b>	0%
<b>Dust and Fines</b>	Minimal
<b>Typical Bulk Density Range</b>	1500 kg/m <sup>3</sup>
<b>Quality Range</b>	Deluxe
<b>Settlement factor</b>	< 5 %
<b>Durability</b>	6-8+ years
<b>BS EN 1176 compliance</b>	YES
<b>BS EN 1176 tested</b>	YES
<b>BS 4790:1987 tested</b>	NO: 100% fire resistant

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.