

## Technical Information Melcourt Playbark® 10/50

### Product Description

An exceptionally well-graded, chunky, pine bark-based loose impact absorbing surface (LIAS) from our 'deluxe' range, widely used and suitable with all play equipment, including climbing frames, slides and space nets. The UK's leading brand of LIAS and used extensively throughout the country for well over 20 years.

- Particles in the range 10 – 50mm
- Clean and virtually dust and fines-free
- Free draining and performance not adversely affected by frost
- Reddish brown in colour and very attractive appearance
- High durability of between 4 and 6 years plus
- Excellent resistance to wind erosion
- Less than 2.5 % wood content by volume
- Specifically graded to meet all the main criteria for surfacing children's play areas
- Compliant with BS EN 1176, Table A.1 confirming that Melcourt Playbark® 10/50 meets a nationally accepted industry standard
- High resistance to fire confirmed by testing in accordance with BS 4790:1987
- Sold in 75 litre bags, bulk bags and in loose bulk



### 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 7.29metres, 4.22 metres and 2.42 metres respectively
- Rapid drainage during wet weather allows play all year round
- Easy to install and maintain
- Clean to play on
- Virtually vandal resistant
- Any overspill onto adjacent grassed areas will not damage mowing equipment
- The loose, particulate feel of Melcourt Playbark® 10/50 deters dogs and cats, thus helping to prevent animal fouling
- Hostile living environment for pests
- Extremely cost-effective
- Easy to relocate
- At the end of its useful life as a play surface, Melcourt Playbark® 10/50 can be effectively re-used as a mulch or soil conditioner

### 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).

### Wood Shards

Melcourt's loose impact surfaces, are made from natural materials.

During the manufacturing and screening process a very small proportion of larger pieces of wood, referred to as 'wood shards', may fall through the screens and be included in the finished product.

If these wood shards are considered to be a hazard, they can be physically removed, by hand, once the surface has been installed.



### Contact

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# Melcourt Playbark® 10/50

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.

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## Product Specification

- The product shall consist of European pine bark with an even nominal particle size distribution of 10-50mm, with minimal dust and fines and less than 2.5 % wood content.
- The product shall be pest, disease and weed free and not have been treated with methyl bromide or 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.
- The product shall have been tested in accordance with the requirements of BS 4790:1987, for fire resistance and be classified as having 'low' potential to burn

## Application Rates

- Lay the 'Melcourt Playbark® 10/50' LIAS to a finished depth of ..... mm (*insert finished depth required*) allowing at least 10% 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 volumes to be calculated using the Bulk Density method, as set out in BS EN 12579:2000 and BS EN 12580:2000.

## Available from

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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:

LIAS depth required	300 mm	200 mm	100 mm
Square metres covered by 1 cubic metre of LIAS	3.3	5.0	10.0

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

Main Constituent	Origin	Nominal particle size range	Wood content	Dust & fines	Quality range
Pine Bark	European	10 - 50 mm	< 2.5 %	Minimal	Deluxe

Typical Bulk Density Range	Settlement factor	Durability	BS EN 1176 compliance	BS EN 1176 tested	BS 4790:1987 tested
210 - 260 kg/m <sup>3</sup>	10 % +	4 - 6 years +	Yes	Yes	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.