

Bardon Screed product information



BES 6001:2008



Bardon Screed is a range of cement bound products produced under factory conditions and available in a range of grades from C5 to C30.

Bardon Screed is suitable for use above and below dpc and in areas that may be subjected to continuously wet conditions such as shower rooms, changing rooms and swimming pool surrounds.

Bardon screed types available include:

Screed S

Conventional sand cement screed

F Screed

Fibrous screed

ES Screed

Early strength screed

EF Screed

Early strength fibrous screed

SBR Screed

SBR rubber toughened screed.

Our range is not limited and bespoke designs dedicated to your project are possible.

Bardon Screed when correctly specified will deliver:

- A product complying with the requirements of BS EN 13813
- Optimum cement dispersion
- Retardation of up to 12 hours working time if required, other times may be specified
- Quick dry variants allowing overlay at 5-7 days – on request
- Optimised water content to ensure ease of compaction
- Can be pumped using air transport pumps
- Factory quality control - no need to mix on site
- Any load size from 13 tonnes, smaller loads by arrangement.

Applications

Bardon Screed is intended for use in the conventional applications envisaged by BS 8204-2 and is suitable for use in a range of environments including some outdoor locations.

Bardon Screed may be used in monolithic construction, unbonded or floating construction and bonded applications. Minimum thicknesses for each application are shown in table 1.

Manufacturing Standard

The Bardon Screed range is manufactured by a machine mixing process using mix designs that have been tested and shown to demonstrate compliance with European Standard BS EN 13813.

As with all Aggregate Industries' products Bardon Screeds are manufactured under independently monitored third party quality assurance schemes in accordance with ISO 9001 and with factory environmental compliance to ISO 14001.



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Performance and technical data

Available in strength classes from:	C5 to C30 (EN 13813:2002)
Flexural strength from:	see individual product sheets
Access to light / foot traffic after:	4 days; less for ES grades
Access for light loadings from:	7 days; less for ES grades
Working time approximately:	up to 12 hours
Drying time	1mm/day see note 1
Drying shrinkage	≤ 0.04%
Coefficient of thermal expansion	≤ 0.02 mm/m/°C
Flammability	non-combustible
Density:	at delivery: 2200 – 2350 kg/m ³ when dry: 2100 – 2250 kg/m ³

Note 1: Determined at 20°C and 65% RH

Minimum thickness by application

Construction type	Minimum thickness (mm)
Floating	65-70
Unbonded	50
Bonded	40
Monolithic	15

Curing

It is essential to use a curing membrane.

In line with good site practice, Bardon Screed must be protected against moisture loss during placing by preventing the direct effects of wind and sun on the surface.

Immediately the finishing operation is complete final curing should commence and may be accomplished by the use of polythene sheeting or damp hessian. Where adhesion of subsequent floor finishes is not a consideration the use of any recognised high efficiency curing membrane is possible.

Except in cases where rapid access or drying is required the finished screed should be cured for at least 7 days.

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Sustainability and local sourcing

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practise
- biodiversity
- community engagement.

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2012.

Manufacturing location: produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Recyclable: the product has a life expectancy of at least 60 years and is fully recyclable.

Key aggregate and recycled content

This product may be supplied containing a recycled or secondary aggregate to achieve a reduced environmental impact and increased green guide rating.

The raw materials used in the manufacture of the binders may be obtained from processes where they form from a co-product.

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com.

COSHH data

Full COSHH data on Bardon Concrete products is available on request.

Technical support

Detailed guidance and assistance with the preparation of specifications and use of Bardon Concrete products is available through the sales offices. A free technical service is also available.

Call Bardon Concrete technical services at the nearest sales location to your contract.

Bardon Concrete - Head Office
Bardon Hill, Bardon Road, Coalville,
Leicestershire LE67 1TL

Tel: 01530 510066
Fax: 01530 512198
Email: bardon.concrete@aggregate.com

London Concrete
London House, 77 Boston Manor Road,
Brentford, Middlesex TW8 9JQ

Tel: 0208 380 7300
Fax: 0208 380 7301

Midlands region
South West region
South East region
Northern region
Central Scotland
Northern Scotland

www.aggregate.com

Tel: 01283 712677 Fax: 01283 716598
Tel: 01752 485201 Fax: 01752 408378
Tel: 01268 769696 Fax: 01268 796097
Tel: 01524 736933 Fax: 01524 736665
Tel: 01698 870947 Fax: 01698 870637
Tel: 01467 644200 Fax: 01467 644250



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