SCREEDFORM™ AND RAPIDSCREED™

OHS 61759 FM 96927 EMS 96928

Screedform is a range of traditional cement-based screed products produced under factory-controlled conditions and available in a range of grades from C4/5 to C25/30 compressive strengths. RapidScreed is a range of high-performance traditional cement-based screed products produced under factory-controlled conditions designed for reduced drying times allowing the first heating cycle to be carried out at 15 days.

Being a cement-based product, Screedform is suitable for placing as a subfloor above and below DPC level and is an ideal product for areas subject to wetting such as bathrooms, shower rooms, changing rooms, kitchens, swimming pool surrounds, etc.

RapidScreed has the additional benefits to Screedform of improved plasticity, reduced porosity, reduced shrinkage properties, and improved thermal conductivity.

PRODUCT RANGES

Screedform	Conventional Sand/Cement screed
Screedform F	Conventional Sand/Cement screed incorporating polypropylene fibres
Screedform ES	Early strength conventional Sand/Cement screed
Screedform EF	Early Strength conventional Sand/Cement screed incorporating polypropylene fibres
Screedform SBR	Rubberised conventional Sand/Cement screed
RapidScreed	Polymer-modified conventional Sand/Cement screed

Each of the above products can be tailored to bespoke designs to meet customer requirements. Screedform F and EF have improved flexural strength.

FEATURES & BENEFITS

- Both Screedform and RapidScreed are produced to the requirements of BS EN 13813
- Working life of up to 12 hours (other times can be designed for if required)
- ES/EF screeds designed for overlaying at 5-7 days (on site moisture-dependent)
- Optimised moisture content ensures ease of compaction
- Can be placed by screed pump
- Factory-controlled production process means no need to mix on site
- RapidScreed able to be foot-trafficked in 12-24 hours

APPLICATIONS

Screedform and RapidScreed can be used in monolithic construction, unbonded construction, or bonded applications for projects including residential, office and administrative buildings, as well as hotels, schools, and hospitals. Both Screedform and RapidScreed are suitable for underfloor heating systems and once dried are able to receive coverings such as plastic, vinyl, laminate, parquet, ceramic, and textiles. Guidance on the use of such products should be sought from the respective manufacturer. It is the responsibility of the Contractor to ensure that the Screedform or RapidScreed has the correct moisture content for the covering materials. Please note that Screedform and RapidScreed themselves do not offer a suitable wearing surface.

MANUFACTURE

Screedform and RapidScreed are produced under quality-controlled conditions at our plants, using materials from quality-assured sources, and mixed in central mixers prior to being delivered or collected by the customer. Aggregate Industries operate third-party accredited BS EN ISO 9001 Quality, BS EN ISO 14001 Environmental, and BS EN ISO 45001 Health and Safety systems. Screedform and RapidScreed meet BES 6001 responsible sourcing requirements.

PERFORMANCE AND TECHNICAL DATA

Screedform

Strength Class range	C4/5 to C25/30 to BS EN 13813-2
Flexural Strength range	F1 to F7 to BS EN 13813-2
Access to light foot traffic recommended at	4 days for Screedform, Screedform F, and Screedform SBR. For Screedform ES and Screedform EF this can reduce to 2 days*
Access to light loadings recommended at	7 days for Screedform, Screedform F, and Screedform SBR. For Screedform ES and Screedform EF this can reduce to 4 days*
Normal working life	Up to 12 hours from time of manufacture
Drying rate (at 20°C and 65% RH)	1mm per day
Drying Shrinkage	<0.04%
Coefficient of Thermal Expansion	<0.02mm/m/°C
Flammability	Non-combustible
Density (constituent material dependent)	When delivered: 2200 – 2450 kg/m³ When dried: 2100 – 2400 kg/m³

*Dependent upon site conditions that are outside of Aggregate industries control

Screedform – Minimum thickness by application

Monolithic	15mm
Bonded	40mm
Unbonded	50mm
Floating	65mm

RapidScreed

Compressive Strength	>7 MPa at 7 days and >30 MPa at 28 days
Flexural Strength range	>3 MPa at 7 days and >6 MPa at 28 days
Access to light foot traffic recommended at	From 12 hours*
Commissioning of heating systems	From 15 days
Residual moisture (at 14 days)	2% or less at a screed thickness up to 75mm

*Dependent upon site conditions that are outside of Aggregate industries control

RapidScreed – Minimum thickness by application

Bonded	10mm
Underfloor heating	25mm
Unbonded	50mm
Floating	55mm

CURING

Both Screedform and RapidScreed should be properly cured after placing, compacting, and finishing – in line with good site practice – to prevent moisture loss due to the effects of sun, wind, and ambient temperature. Curing may be achieved by placing polythene sheeting or damp hessian over the surface of the screed, remaining in place for 7 days unless a high-performance product such as RapidScreed has been used in which case curing times may be reduced subject to local conditions.

SUSTAINABILITY & 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 practice
- Biodiversity
- Community engagement.

ENERGY USE AND GREENHOUSE GAS EMISSIONS

Aggregate Industries is at the forefront of sustainability and has committed to reducing both energy and greenhouse gas intensity 5% year-on-year.

MANUFACTURING LOCATION

Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

RECYCLABLE

These products have a life expectancy of 60 or more years and are fully recyclable.

KEY AGGREGATE AND RECYCLED CONTENT

This product may be formulated to be substantially better for the environment than the equivalent traditional concrete. Aggregate Industries are unique in being able to quantify this difference. Wherever available, a recycled or secondary aggregate may be selected to achieve a reduced environmental impact and increased Green Guide rating.

The raw materials used in the manufacture of the binders are 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 our concrete products is available on request.

TECHNICAL SUPPORT

Detailed guidance and assistance with the preparation of specifications and use of our concrete range of products is available through the sales offices. A free technical service is also available. Call our technical services at the nearest sales location to your contract.

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

Tel: 01530 510066
Fax: 01530 512198
www.aggregate.com

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

Tel: 0208 380 7300
Fax: 0208 380 7301
www.aggregate.com

A MEMBER OF HOLCIM

BES 6001 Responsible Sourcing www.greenbooklive.com

AGGREGATE INDUSTRIES