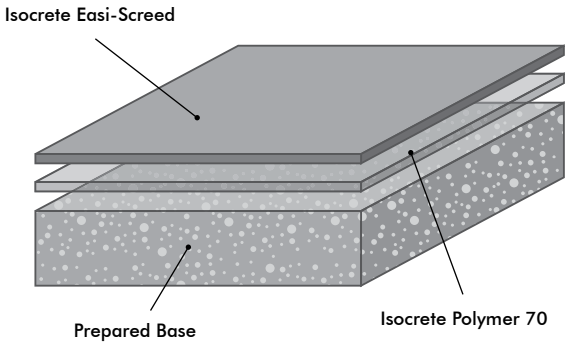
Flowcrete
for the world at your feet

System Data Sheet

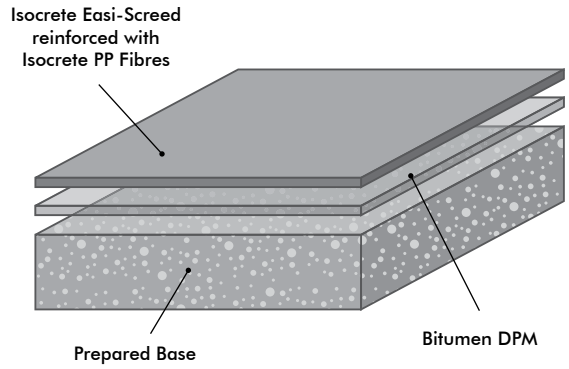
Isocrete
floor screeds

Isocrete Easi-Screed

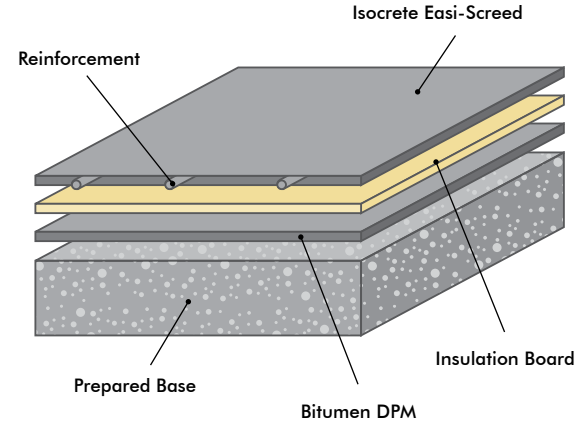
Bonded Screed



UnBonded Screed



UnBonded Screed



Description

A semi-dry cement sand screed incorporating roprietary additives.

Uses

Wherever a cement sand screed is required, with particular benefits in fast track or heavily trafficked situations.

Isocrete Easi-Screed is suitable for most residential and commercial applications.

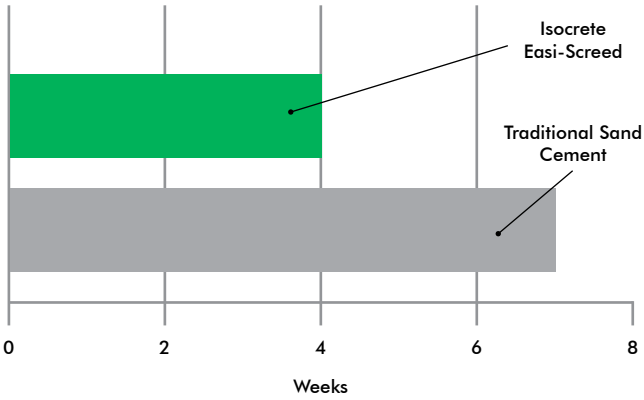
Benefits

- Improved workability properties, good compaction
- Reduced drying times
- High strength and resistance to construction traffic
- Can be used with underfloor heating systems
- Category A or B screed (ISCR test to BS8204–1)

Project References

Available on request.

Drying Time to Receive Finishes - 50mm Screed



Drying time to receive finishes (BS8203) in good drying conditions (20°C, 50% RH, good ventilation) from removal of the curing polythene sheet.

180216 ME

Model Specification

Product: Isocrete Easi-Screed
Preparatory work and application in accordance with suppliers instructions.
Manufacturer: Flowcrete Middle East FZCO
Telephone : Customer Service +971 4 886 4728

Bonded

_____ mm Isocrete Easi-Screed to be supplied and laid on an uncontaminated, shotblasted or scabbled and vacuum cleaned in situ concrete base, bonded with Isocrete Polymer 70 primer and grout.

Unbonded

_____ mm Isocrete Easi-Screed reinforced throughout with steel fabric to BS4483 ref. D49 (or reinforced throughout with Isocrete PP Fibres with a strip of steel fabric to BS4483 ref. D49 across day joints) to be supplied and laid on a sound and clean bituminous damp proof membrane.

Floating

_____ mm Isocrete Easi-Screed, reinforced throughout with steel fabric to BS4483 ref. D49 (or reinforced throughout with Isocrete PP Fibres with a strip of steel fabric to BS4483 ref. D49 across day joints) laid on and including _____ mm _____ insulation board.

Model specifications are also available for various other screed configurations. Please consult Flowcrete Technical Advisors.

Products Included in this System

Bonded

Primer:	Polymer 70 primer Polymer 70 grout Polymer
Minimum Screed Thickness:	50mm
Curing:	Polythene Sheet

Unbonded

DPM:	Proprietary bituminous membrane
Reinforcement:	Isocrete PP Fibres or D49 steel fabric
Minimum Screed Thickness:	50mm
Curing:	Polythene Sheet

Floating

Insulation Board/ Extruded Polyethylene:	Proprietary materials
Reinforcement:	Isocrete PP Fibres or D49 steel fabric
Minimum Screed Thickness:	Generally 75mm (65mm domestic)
Curing:	Polythene Sheet

Isocrete Easi-Screed is available in 560g bottles in boxes of 12. Approx 3.5 boxes of additive are required for 100m^2 of screed applied at a thickness of 75 mm based on a traditional 1:4 cement:sand (by volume) mix. The Isocrete Easi-Screed additive is added at a dose of 560g per 50 kg cement.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at www.flowcrete.ae

Smoothing Compounds

Isocrete Easi-Screed is generally finished suitably to receive floor finishes direct. Damage to the surface of unprotected screeds may mean that a smoothing compound is necessary. However, it should be noted that the applicators of modern thin flooring will often recommend a smoothing compound on even well finished semi-dry screeds.

If smoothing compound required:

Primer:	Isocrete Primer @ 0.05 kg/m^2
Smoothing compound:	Isocrete 1500 (3mm) @ 5.1 kg/m^2

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Density (approx.)	1,800 kg/m^3
BRE Test Category BS8204-1	Category A
Compressive Strength (28 days) BS EN 196-1	>20 N/mm^2

Speed of Cure (per layer)

	10°C	20°C
Working Time	2-3 hrs	2 hrs
Light Foot Traffic	48 hrs	24 hrs
Full Traffic	7 days	7 days
Curing Under Polythene	7 days	7 days

Drying time to receive finishes (BS8203) 28 days for 50mm thickness screed (approx 40 days for 75mm screed) in good drying conditions (20°C, 50% RH, good ventilation) from removal of the curing polythene sheet.

Residual Moisture Content

Before floor finishes are laid, the moisture content of the screed should be checked by the Main Contractor. BS8203 recommends a maximum of 75% RH prior to the installation of sensitive finishes.

Moisture in the base will impede the drying of the screed. For unbonded and floating screeds, a DPM may be specified between the base slab and the screed.

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.

180216 ME

Flowcrete Middle East FZCO
22nd Floor Suite 2207 JAFZA View 18 PO Box 17641
Jebel Ali Free Zone Dubai United Arab Emirates
Tel: +971 4 886 4728 Fax: +971 4 886 4582
Email: uae@flowcrete.com