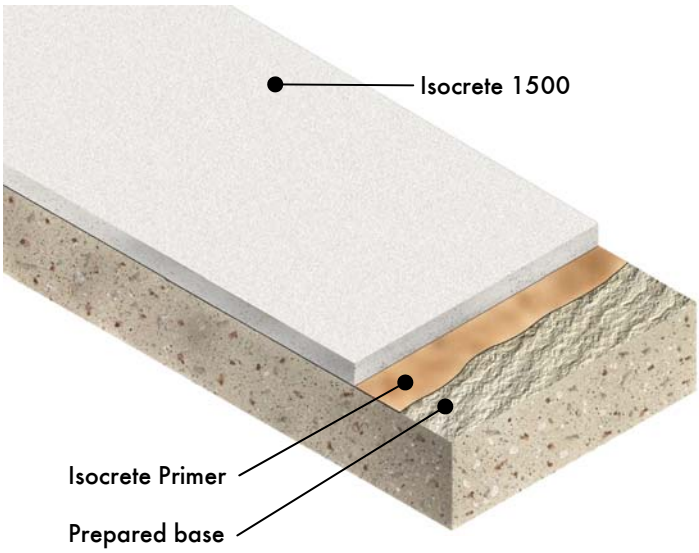
Isocrete 1500 (Green) (0 – 20 mm)

Typical Cross Section



Description
Manufactured from a combination of natural and recycled raw materials and is free from Portland cement. A fast drying, hand (0 – 20 mm) or pump applied (4 – 20 mm) underlayment, for easy levelling of concrete floors before the installation of floor coverings, e.g. vinyl, carpets, ceramic tiles, wood block linoleum or cork.

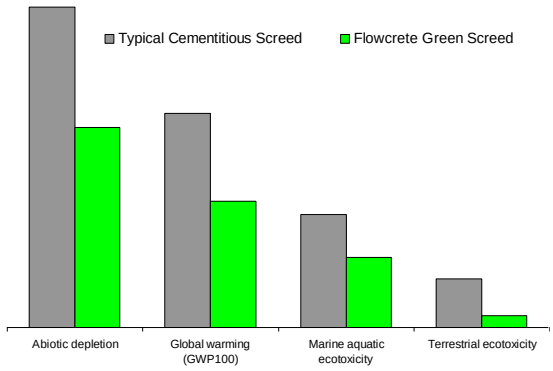
For pumped application, at least 8 mm average thickness would be a typical expectation on a reasonably level base.

Uses
For fast track refurbishment and new construction where floor finishes need to be applied quickly. Suitable for smoothing floors in office buildings, shops, public buildings, schools, hospitals, airports, and prisons.

May be used as a screed to receive an epoxy resin finish in areas taking light traffic. For a flowing screed for industrial use, use Flowscreed Industrial Top.

Benefits
- Fast track application
- Self levelling
- Rapid installation - 2,000m^2 per day for 7 mm thickness, under suitable conditions
- Fast setting - walk on after 2 - 4 hours under suitable conditions
- Fast drying - install moisture sensitive finishes after 24 hours at screed thicknesses below 10mm
- Single pack
- Protein free - will not harbour bacteria

Focus on the Floorzone
Flowcrete are market leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, corrosion resistant systems... to name just a few. Our objective is to satisfy your Floorzone needs.



Environmental analysis – SimaPro; method: CML2 baseline 2000 V2.04

Abiotic depletion is related to extraction of minerals and fossil fuels due to inputs in the system.

Climate change (Global warming) can result in adverse affects upon ecosystem health, human health and material welfare. Climate change is related to emissions of greenhouse gases to air and is expressed in CO_2 emission.

2 categories expressed as 1,4-dichlorobenzene equivalents/kg emission:

Marine eco-toxicity refers to impacts of toxic substances on marine ecosystems

Terrestrial eco-toxicity refers to impacts of toxic substances on terrestrial ecosystems

Where specific raw materials were missing from the ECOINVENT data base, the nearest available equivalent raw material was used for calculation purposes.
Transportation impact of raw materials to our factory for all products not included.
The global footprint is estimation for comparison purpose and should not be presented as a full study according to existing ISO standard.

Model Specification

Product: Isocrete 1500
Thickness: _____ between 0 - 20 mm
Preparatory work and application in accordance with manufacturers instructions.
Manufacturer: Flowcrete UK Ltd
Telephone: Customer Service - +44 (0) 1270 753000

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8204 and free from rising damp and ground water pressure. If above 75% RH, or no damp proof membrane is present, Hydraseal DPM can be incorporated directly beneath the Isocrete 1500 system, enabling the immediate installation of floor finishes once the screed has dried.

Products Included in this System

Primer: Isocrete Primer @ 0.05 kg/m²

Or, if dpm required:

DPM: Hydraseal DPM @ 0.5 kg/m²
Sand scatter: dry Silica Sand/Quartz grade 1-2mm @ 2 kg/m²

Floor Screed: Isocrete 1500 @ 11.9 kg/m² for 7 mm

Detailed application instructions are available upon request.

Installation Service

The installation can be carried out by any competent contractor. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcrete.co.uk .

Technical Information

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

Reaction to fire	E EN 13501-1	
Impact Resistance	BS 8204-1: Category A	
Thermal Resistance	50˚C max	
Compressive Strength (28 days)	33 N/mm²	EN 13892-2
Flexural Strength (28 days)	9 N/mm²	EN 13892-2
Adhesion to C30 Concrete (28 days)	> 1N/mm²	
Shrinkage	<0.06%	
Maximum particle size	0.5mm	
Protein content	Nil	
Thickness	0 - 20 mm Hand Applied 4 - 20 mm Pump Applied	
Laying temperature	5 – 25˚C	
Flow Ring (65 mm diam. X 40 mm high)	220 – 240 mm	
Mix ratio per 25kg	4.5 – 4.8 litres water	

Speed of Cure

	10˚C	20˚C
Walk on	4 - 8 hrs	2 - 4 hrs
Full traffic	2 days	2 days

Protection on Completion

Ensure the screed is not subject to draughts and strong sunlight during the first 24 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement. Prevent contamination by following trades, e.g. plastering, including water spillage.

Drying Time

Moisture sensitive floor finishes can be installed when the screed is dry to 75% RH as per BS8203, typically after 24 hours, dependent on thickness and ambient conditions (20˚C, 50% RH). After 24 hours curing without draughts, ensure the area has sufficient ventilation to allow the screed to dry.

Important Notes

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.

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

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Flowcrete UK Ltd is an RPM company