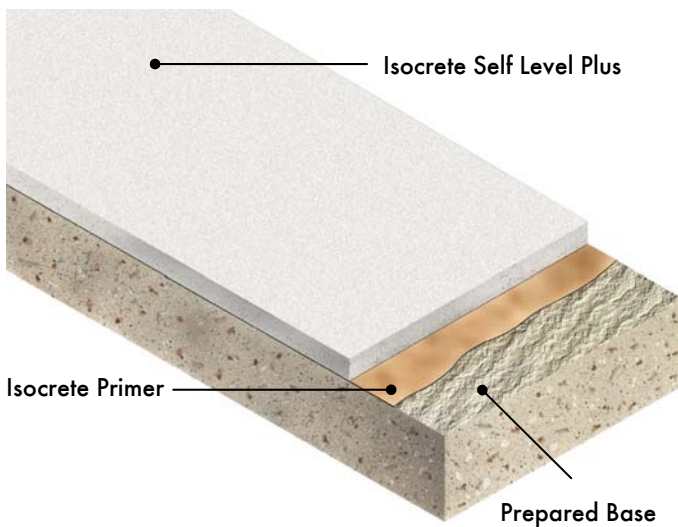


Isocrete Self Level Plus (Green) (3 - 30 mm)



Description

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

Uses

Suitable for floors in office buildings, shops, public buildings, schools, hospitals, airports and prisons.

Isocrete Self Level Plus is laid at 3 - 30mm, however an 8 mm average thickness is a typical expectation on a reasonably level base.

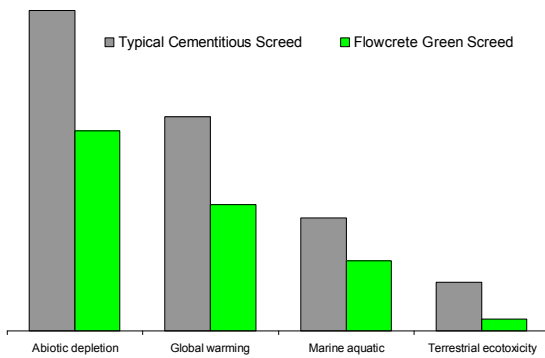
Isocrete Self Level Plus provides good resistance to impact, point loading and abrasion - making it suitable as a temporary work surface for following trades prior to vinyl being applied.

Benefits

- Good resistance to point loading and abrasion
- Self levelling
- Rapid installation - 2000m² 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 dependent on thickness, ambient temperatures and humidity
- 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 effects upon ecosystem health, human health and material welfare. Climate change is related to emissions of greenhouse gases to air and is expressed in CO₂ 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 Self Level Plus

Thickness: _____ between 3 – 30 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 Self Level Plus 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 Self Level Plus @ 11.9 kg/m² for 7 mm

Isocrete SL Plus can be used in composite with graded, round quartzite gravel for deep section fills (20 -150 mm deep).

Detailed application instructions are available upon request.

For a screed to receive an epoxy resin finish in areas taking light traffic use Isocrete 1500. For a flowing screed for industrial use, use Flowscree Industrial Top.

Technical Information

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

Fire Resistance	BS 476-7: Spread of Flame Class 1
Impact Resistance	BS 8204-1 Cat: A
Thermal Resistance	50°C max
Compressive Strength (28 days)	30 N/mm ² (BS EN 13892-2) No loss in compressive strength when used (as specified) in composite format.
Flexural Strength (28 days)	8 N/mm ² (BS EN 13892-2)
Abrasion resistance (Taber)	1.7g loss/1000 cycles H22 wheel / 1 kg
Shore D hardness	88
Adhesion to C30 Concrete (28 days)	> 1N/mm ²
Shrinkage	< 0.06%
Shrinkage further reduced in composite format (as specified).	
Maximum particle size	0.5 mm
Protein content	Nil
Thickness	3 – 30 mm
Laying temperature	5 – 30°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.

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

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 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.