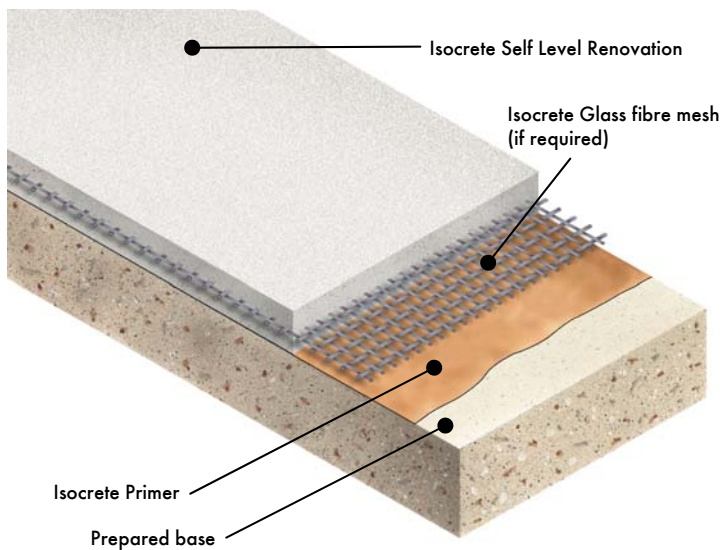


Isocrete Self Level Renovation (Green) (5 - 50 mm)

Bonded Screed



Description

Manufactured from a combination of natural and recycled raw materials and is free from Portland cement. A fast drying, pump applied, fibre reinforced underlayment for fast track renovation of existing floors prior to application of floor coverings, e.g. vinyl, carpets, ceramic tiles, wood block, linoleum or cork.

Uses

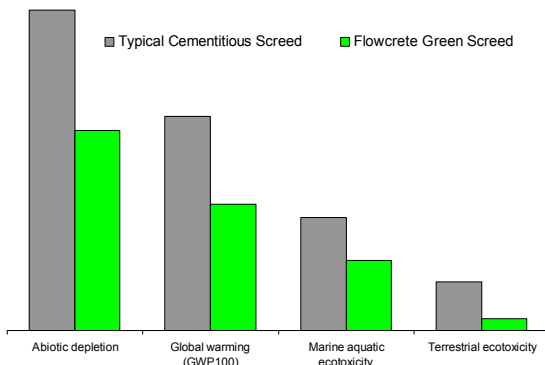
Suitable for renovation of floors in office buildings, shops, public buildings, schools, hospitals, airports and prisons. Isocrete Self Level Renovation can be laid over existing floor finishes, such as tiles or flooring grade asphalt.

Isocrete Self Level Renovation is laid at 5 – 50 mm, however a 10 mm average thickness is a typical expectation on a reasonably level base and at least 13 mm when including glass fibre mesh.

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 floor refurbishment
- Self levelling
- Rapid installation – 1,000m² per day for 13 mm thickness, under suitable conditions
- Fast setting - walk on after 2 - 4 hours under suitable conditions
- Fast drying - install moisture sensitive finishes after 48 hours dependent on thickness, ambient temperatures and humidity
- Can lay over existing floor finishes
- Single pack
- Fibre reinforced
- Protein free - will not harbour bacteria



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 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

Bonded with acrylic bonding agent

Isocrete Self Level Renovation to be supplied and laid bonded with Isocrete Primer to a suitable sound, uncontaminated, shotblasted and vacuum cleaned in situ concrete base, in accordance with the manufacturer's instructions.

Bonded with epoxy bonding agent/DPM

Isocrete Self Level Renovation to be supplied and laid bonded with Hydraseal DPM epoxy bonding agent and dpm to a suitable sound, uncontaminated, shotblasted and vacuum cleaned in situ concrete base, in accordance with the manufacturer's instructions.

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 Renovation 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
(when applied to an impervious base, i.e. over tiles or used semi-bonded to an existing screed)

Or, if dpm required:

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

Reinforcement: Isocrete Glass Fibre Mesh

Floor Screed: Isocrete Self Level Renovation @ 22.1 kg/m² for 13 mm

Detailed application instructions are available upon request.

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 Part1 Cat: A
Temperature Resistance	50 °C max
Compressive Strength (28 days)	33 N/mm ² (BS EN 13892-2)
Flexural Strength (28 days)	9 N/mm ² (BS EN 13892-2)
Adhesion to C30 Concrete (28 days)	> 1 N/mm ²
Shrinkage	<0.06%
Maximum particle size	1 mm
Protein content	Nil
Thickness	5 – 50 mm
Laying temp	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.

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.

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

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.