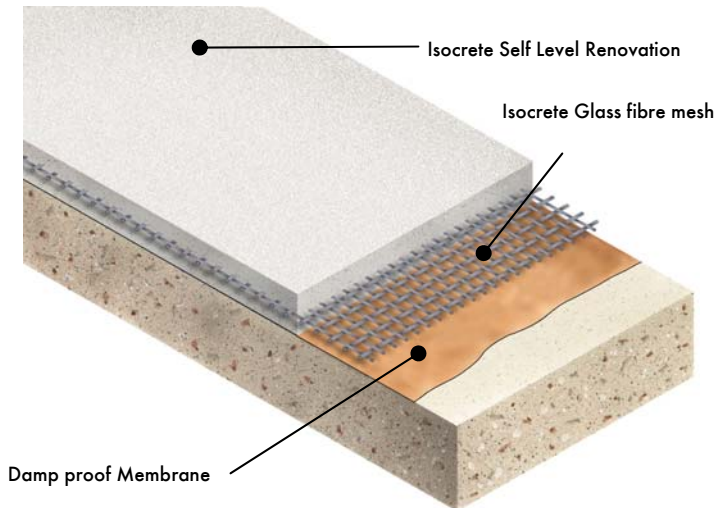


Isocrete Self Level Renovation (Green) (20 - 50 mm)

Unbonded 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 unbonded at 20-50mm including glass fibre mesh.

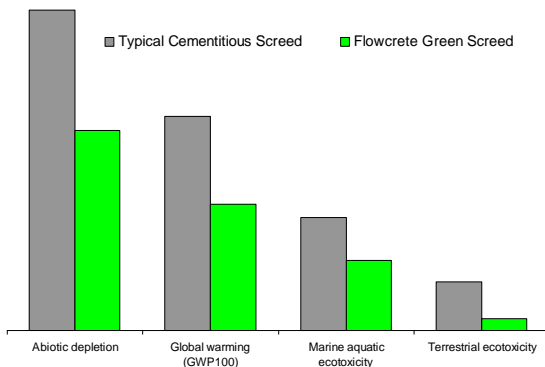
Isocrete Self Level Renovation is laid at 5 - 50 mm, however a 10 mm average thickness is a typical expectation on a reasonably level base and at least 13 mm when including glass fibre mesh.

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
- Suitable for use with underfloor heating systems (min cover over pipes 25mm)
- 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

Unbonded

Isocrete Self Renovation to be supplied and laid unbonded on a sound and clean separating or damp proof membrane.

Floating (Flat / Apartment Application Only)

Isocrete Self Renovation reinforced with glass fibre mesh laid on a suitable separating membrane over a flooring grade insulation or resilient layer.

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

Unbonded: min 20mm

DPM: Proprietary materials

Reinforcement: Isocrete Glass Fibre Mesh

Floor Screed: Isocrete Self Level Renovation @ 34 kg/m² for 20mm

Floating: min 25mm (including resilient layer)

Insulation board / resilient layer: Proprietary materials

Reinforcement: Isocrete Glass Fibre Mesh

Floor Screed: Isocrete Self Level Renovation @ 42.5 kg/m² for 25 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.

Reaction to fire	E	EN 13501-1
Impact Resistance	BS 8204 Part1 Cat: A	
Temperature Resistance	50 °C max	
Compressive Strength (28 days)	33 N/mm ²	EN 13892-2
Flexural Strength (28 days)	9 N/mm ²	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 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.