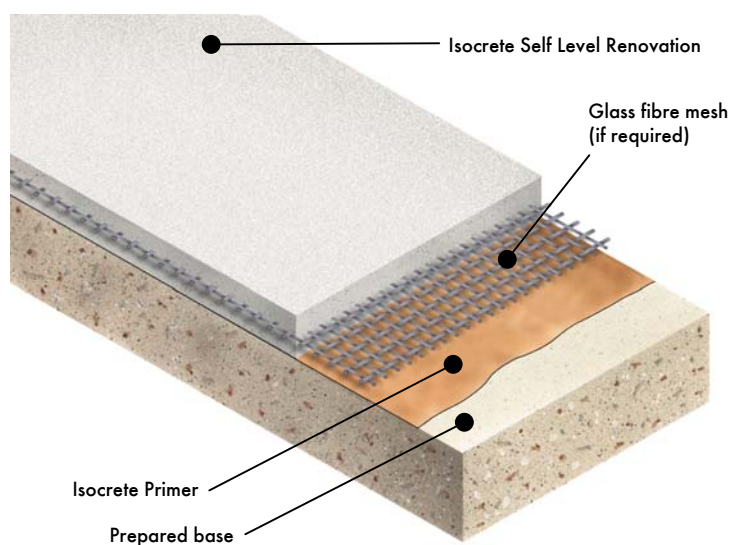


## Isocrete Self Level Renovation (5 - 50 mm)

### Bonded Screed



### Description

A fast drying, pump applied, fibre reinforced, cement-based 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 from Flowcrete Specialist Flooring.

### Benefits:

- Fast track floor refurbishment
- Self levelling
- Rapid installation - 1,000m<sup>2</sup> 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 24 hours dependent on thickness, ambient temperatures and humidity
- Can lay over existing floor finishes
- Single pack
- Fibre reinforced
- Protein free - will not harbour bacteria

### Project References:-

Boots; Broadmoor hospital; Edinburgh Airport; Heathrow Airport; Novartis; Sheffield University; Victoria station; York Hotel.



## Model Specification

Product: Isocrete Self Level Renovation

Thickness: \_\_\_\_\_ between 5 – 50 mm

Preparatory work and application in accordance with manufacturers instructions.

Manufacturer: Isocrete Commercial Flooring

Telephone: Customer Service - +44 (0) 1270 753753

## Installation Service

The installation should be carried out by an Isocrete licensed contractor with a documented quality assurance scheme. Obtain details of our licensed contractors by contacting our customer service team or enquiring via our web site [www.isocrete.com](http://www.isocrete.com)

## Products Included in this System

**Primer:** Isocrete Primer @ 0.05 kg/m<sup>2</sup>

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

**Or, if dpm required:**

**DPM:** Aqualock @ 0.5 kg/m<sup>2</sup>

**Sand scatter:** Silica Sand grade 10/16 (1 – 1.7 mm) @ ~2 kg/m<sup>2</sup>

**Reinforcement:** Glass Fibre Mesh

**Floor Screed:** Isocrete Self Level Renovation @ 22.1 kg/m<sup>2</sup> for 13 mm

Detailed application instructions are available upon request.

## Focus on the Floorzone

Isocrete Commercial Flooring is a division of the Flowcrete Group, world 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.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, 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 Isocrete Aqualock can be incorporated directly beneath the Isocrete Self Level Renovation system, enabling the immediate installation of floor finishes once the screed has dried.

## Protection on Completion

Ensure the screed is not subject to draughts during the first 6 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.

## Important Note

Isocrete'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.

## System Performance Guide

The table below shows how well the system complies with different characteristics.

A scale of 1 – 5 where 5 is the best value.

5 Excellent, 4 Very Good, 3 Good (Pass), 2 Fair, 1 Poor

Fire Safety	5	Shrinkage	5
Compressive Strength	4	Drying Time	4
Impact Resistance	4	Wear Resistance	3
Thermal Resistance	3	Foot Traffic	5

## Technical Information

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

Fire Resistance	BS5476:Part 7: Spread of Flame Class 1
Impact Resistance	BS8204 Part1 Cat: A
Temperature Resistance	50°C max
Compressive Strength (28 days)	30 N/mm <sup>2</sup> ( BS EN 196)
Flexural Strength (28 days)	10 N/mm <sup>2</sup> (BS EN 196)
Adhesion to C30 Concrete (28 days)	> 1 N/mm <sup>2</sup>
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 – 5 litres water

## Speed of Cure

	10°C	20°C
Walk on	4 – 8 hrs	2 – 4 hrs
Full traffic	2 days	2 days

## 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 6 hours curing without draughts ensure the area has sufficient ventilation to allow the screed to dry.

## 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.

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