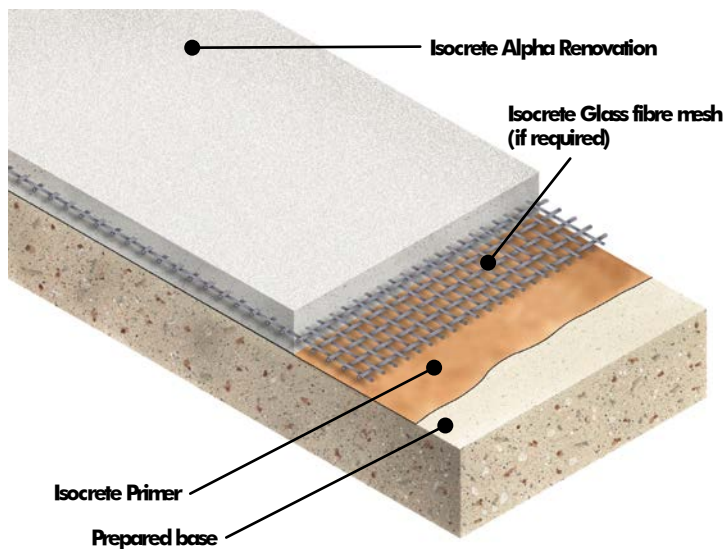


Isocrete Alpha Renovation (Green) (5 -50 mm)

Bonded Screed



Description

Manufactured from a combination of natural and recycled raw materials. A pump (or hand) applied, fibre reinforced underlayment for 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 Alpha Renovation can be laid over existing floor finishes, such as tiles or flooring grade asphalt.

Isocrete Alpha 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.

For a flowing screed for industrial use, use Flowscreed Industrial Top.

Not suitable in applications that may be exposed to regular or permanent water contact.

Benefits

- Self levelling
- Laitance free, no sanding required when applied as directed
- Rapid installation – 1,000m² per day for 13 mm thickness, under suitable conditions
- Walk on after 12 -24 hours under suitable conditions
- Can lay over existing floor finishes
- Can be used with underfloor heating systems
- High final strength,
BRE Test Category A. (BS8204)
- Single pack
- Fibre reinforced
- Protein free -will not harbour bacteria
- Environmentally friendly product



Model Specification

Bonded with acrylic bonding agent
Isocrete Alpha 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 Alpha 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 Alpha 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 Alpha Renovation @22.1 kg/m² for 13 mm

Detailed application instructions are available upon request.

Protection on Completion

Ensure the screed is not subject to draughts 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. 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

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)	30 N/mm ² (BS EN 196)
Flexural Strength (28 days)	9 N/mm ² (BS EN 196)
Adhesion to C30 Concrete (28 days)	>1 N/mm ²
Drying movement (expansion)	0 to 0.04%
Maximum particle size	1.5 mm
Protein content	Nil
Thickness	5 – 50 mm
Laying temp	5 – 30° C
Flow ring (65 mmdiam x 40 mmhigh)	220 – 240 mm
Mix Ratio per 25kg	5.0 litres water

Speed of Cure

Drying time for finishes in good ambient well ventilated conditions, e.g. 20°C, 65% RH
up to 40 mm thickness max 1 day / mm
over 40 mm thickness add 2 days / mm
(typically 32 days for 40 mm Alpha Renovation).

Environmental aspect

The raw material for the alpha hemihydrate calcium sulfate binder is a by-product, arising from the de-sulfurisation of coal power station flue gas. In this process, the flue gases are not discharged from chimneys direct to atmosphere but passed through a bed of lime or limestone and react to form the by-product calcium sulfate.

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.