

Isocrete SL Renovation (5 – 50 mm)

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.

Isocrete SL Renovation can be laid over existing floor finishes, such as tiles or flooring grade asphalt. A 10 mm average thickness is a typical expectation on a reasonably level base and at least 13 mm when including glass fibre mesh. It may receive an epoxy resin finish in areas taking light traffic.



Rapid Installation:

1,000m² per day for 13 mm thickness, under suitable conditions.



Flexible:

Suitable with underfloor heating systems (min. cover of 25 mm over pipes).



Protein Free:

It will not harbour bacteria.



Fast Drying & Setting:

Walk on after 2 - 4 hours and install moisture sensitive finishes after 48 hrs dependent on thickness/temperature/humidity.

Technical Profile*

REACTION TO FIRE		
EN 13501-1	B _{fl} - s1	
IMPACT RESISTANCE		
BS 8204-1 Cat: A		
THERMAL RESISTANCE		
50 °C Max		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	33 N/mm ²	C30
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	8 N/mm ²	F8
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1N/mm ²		
SHRINKAGE		
< 0.06%		
MAXIMUM PARTICLE SIZE		
1 mm		
PROTEIN CONTENT		
Nil		
LAYING TEMPERATURE		
5 – 25 °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

*These figures are typical properties achieved in laboratory tests at 20 °C and at 50 °C Relative Humidity.

Model Specification

Product	Isocrete SL Renovation
Thickness	5 – 50 mm

Preparatory work and application in accordance with manufacturer's instructions.

Products Included in This System

Unbonded - Min. 20 mm Isocrete SL Renovation to be supplied and laid unbonded on a sound and clean separating or damp proof membrane.	
DPM	Proprietary materials
Reinforcement	Isocrete Glass Fibre Mesh
Floor Screed	Isocrete SL Renovation @ 34 kg/m ² for 20 mm
Floating (Flat/Apartment Only) - Min. 25 mm including resilient layer Isocrete SL Renovation reinforced with glass fibre mesh laid on a suitable separating membrane over a flooring grade insulation or resilient layer.	
Insulation board / resilient layer	Proprietary materials
Reinforcement	Isocrete Glass Fibre Mesh
Floor Screed	Isocrete SL Renovation @ 42.5 kg/m ² for 25 mm

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH, tested in accordance with 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 SL Renovation system, enabling the immediate installation of floor finishes once the screed has dried.

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 website 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.

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.

Important Notes

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our 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.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details.
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