Flowcrete
for the world at your feet

Isocrete
floor screeds

Isocrete Flowing K Screed (20 - 75 mm +)

A flowing cementitious screed incorporating proprietary additives and graded sand to produce an early drying, high strength screed.

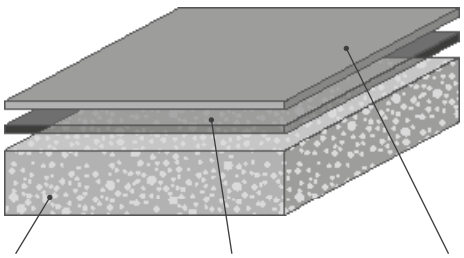
Suitable in applications that may be exposed to regular or permanent water contact.

Rapid Installation:
Up to 500m² per day at nominal 50 mm thick and foot traffic in 24 - 48 hours.

Resistance:
High strength & resistance to construction traffic.

Protein & Laitance Free:
Will not harbour bacteria and no mechanical abrasion required.

Underfloor Heating:
Can be installed over underfloor heating (commissioned after 7 days).



Prepared Substrate | Isocrete Primer | Isocrete Flowing K Screed

Technical Profile*

FIRE RESISTANCE		
BS EN 13501-1	$A1_{fl}$ (No contribution to fire)**	
IMPACT RESISTANCE		
BS 8204-1	See Notes Below***	
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	25-30 N/mm²	C25/C30
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	4-6 N/mm²	F4/F6
ADHESION TO C30 CONCRETE (28 DAYS)		
>1N/mm²		
DRYING SHRINKAGE		
<0.05%		
PROTEIN CONTENT	Nil	
LAYING TEMPERATURE	5–30°C	
FLOW RING (DIN 1060)	230–260 mm	
WET DENSITY (approx.)	2,200 kg/m³	
DRY DENSITY (approx.)	2,000 kg/m³	

DRYING TIME	
Typically 14–21 days, dependent on drying conditions.	
Foot Traffic	24 - 48 hours dependent on the ambient temperature and Relative Humidity (RH).
Full Traffic	After 5 days dependent on the ambient temperature and Relative Humidity (RH).

*These figures are typical properties achieved in laboratory tests at 20°C and at 65% Relative Humidity.

**Contains less than 1% organic material and is classified in accordance with BS EN 13501-1 as Class $A1_{fl}$ without testing. (Commission Decision 96/603/EC as amended by Decision 2000/605/EC).

*** BS 8204-1 – Category A, for Bonded and Unbonded applications, using the 4kg weight

BS8204-1 – Category C - Floating Application based on a minimum screed thickness of 65mm – Using the 2kg weight

BS 8204-7 - When the screed is installed in a floating application and is below 65mm the ISCR test is not suitable and alternative Prism testing should be used to ascertain the compressive and flexural strength of the screed.

For any other information please contact your local Flowcrete Technical Department.

CE 17
EN 13813

www.flowcrete.co.uk

Model Specification

System	Isocrete Flowing K-Screed
Thickness	20 – 75 mm +
Maximum Bay Size	100 m^2 - with UFH 150 m^2 - without UFH

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

Products Included In This System

BONDED	
Primer	Isocrete Primer @ 0.05 kg/m^2
(2 coats may be required on porous surfaces) Minimum Isocrete Flowing K-Screed thickness 20 mm	
UNBONDED	
30 mm on 500 gauge separating membrane.	
DPM	Proprietary materials
Minimum thickness 30 mm using Isocrete Flowing K-Screed C25 / C30, to be supplied and laid on a sound and clean proprietary damp proof membrane.	
FLOATING	
Insulation board / Extruded polyethylene	Proprietary materials C25 / C30 recommended insulation strength of no less than 100 kPa @ 10% compression
Minimum thickness 40 mm using Isocrete Flowing K-Screed C25 / C30, to be supplied and laid on a sound and clean proprietary insulation board.	
UNDERFLOOR HEATING (UFH)	
UFH	Proprietary materials
Minimum thickness 25 mm cover over pipes using Isocrete Flowing K-Screed C25 / C30.	

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm^2, free from laitance, dust and other contamination. The substrate should be dry to 75% RH, tested in accordance with BS8203 and free from rising damp and ground water pressure. If above 75% RH, Hydraseal DPM can be incorporated directly beneath the Isocrete Flowing K Screed.

Installation Service

The installation can be carried out by a licensed contractor with a document quality assurance scheme. 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 BS 8204. After 24/48 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. Owing to the higher strength of the materials, some hair-line cracking may occur especially from high stress areas such as shape change, these would not normally be detrimental to the screed or any coverings. 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 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [19/08/21, 03 UK]

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