

## Isocrete Acoustic K (Underfloor Heating)

Acoustic separating floor system incorporating underfloor heating for use with precast concrete floor slab.

Uses a 65 mm Isocrete K-Screed on an Isowarm Underfloor Heating Board with a stapled underfloor heating system, separated by a 6 mm Acoustic K resilient layer, with junctions formed using an edge strip.



### Thickness:

Provides a reduced screed thickness.



### Resistant:

High strength and resistance to construction traffic.



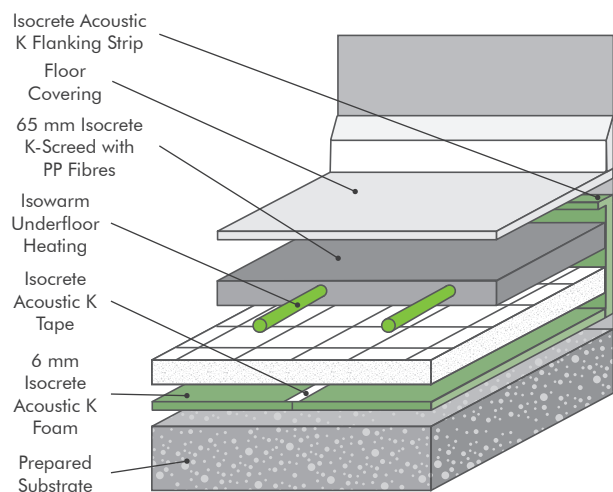
### Underfloor Heating:

Efficient heating of many types of commercial buildings.



### Building Regulations 2003:

Exceeds the requirements of Approved Document E.



## Technical Profile

### TEST METHOD

BS EN ISO 140-3: 1995-TP15 and  
BS EN ISO 140-6: 1998-TP12

### RESULTS INTERPRETATION

BS EN ISO 717-1:1997 and BS EN ISO 717-2

The test results achieved exceed the requirements of Approved Document E of the Building Regulations 2003 which requires Airborne Sound performance minimum 45dB and Impact Sound performance maximum 62dB.

	ACOUSTIC K FOAM	ISOWARM UFH	ISOCRETE K-SCREED
BBA			✓
Sound Tests	✓	✓	✓
Licensed Installer	✓	✓	✓
Supplied by Flowcrete	✓	✓	✓
Moisture Resistance	✓		✓
Warranty	✓	✓	✓
Part E	✓	✓	✓
Part L	✓	✓	✓
UHMA		✓	
BS EN 1264 Parts 1-4		✓	
Pipe to DIN 16892		✓	
Diffusion Barrier DIN 4726		✓	

## Model Specification

System	Acoustic K Underfloor Heating
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Preparatory work and application in accordance with manufacturer's instructions.

### Acoustic K Underfloor Heating

A precast concrete floor slab with a 65 mm K-Screed on an Isowarm Underfloor Heating Board with stapled underfloor heating system, separated by a 6 mm Acoustic K resilient layer with junctions formed using an edge strip. A ceiling of 8 kg/m<sup>2</sup> plasterboard fixed to a metal frame system with a minimum 100 mm void.

Precast concrete hollow core slab 150 mm thick (minimum mass of 300 kg/m<sup>2</sup>). Joints between planks filled with sand cement mix grout.

16 mm underfloor heating pipes stapled to 25 mm EPS Isowarm Tackerboard insulation (at 200 mm centres) all joints butted and taped.

6 mm Acoustic K foam under Isowarm Tackerboard with Acoustic K Flanking strip to all up stands.

A 65 mm Isocrete K-screed reinforced with Isocrete PP fibres.

### Installation Service

The installation can be carried out by a K-Screed Licensee. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website [www.flowcrete.co.uk](http://www.flowcrete.co.uk).

## Environmental Considerations

The complete system is assessed as non-hazardous to health and the environment. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

All underfloor heating products have been chosen to permit future recycling or reuse at the end of useful life. The absence of radiators or bulky heat emitters provides a more aesthetically acceptable environment with minimal impact.

### 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 does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

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.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [25/06/19, 01 UK]