

Isocrete Acoustic K Underfloor Heating



Description

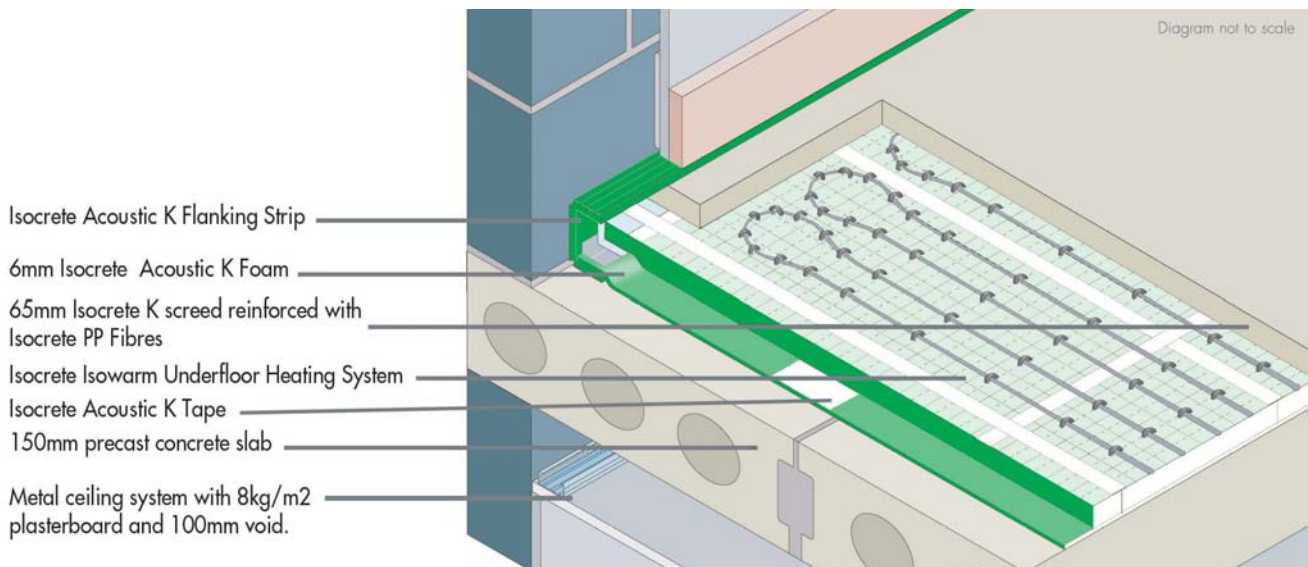
An acoustic separating floor system incorporating underfloor heating for use with a precast concrete floor slab. Uses a 65 mm Isocrete K-Screed on an Isowarm Underfloor Heating Board with a stapled underfloor heating system, separated by a 6 mm Acoustic K resilient layer, with junctions formed using an edge strip.

Uses

For new build or refurbishment of domestic properties and other projects where sound insulation is required. Efficient heating of many types of building including most commercial and residential applications e.g. schools, hospitals, prisons, airports, offices, hotels, apartments and housing.

Benefits

- Complies with Building Regulations
- Reduced screed thickness
- Laid only by approved licensees
- Early installation of sensitive finishes
- High strength and resistance to construction traffic.
- K-Screed is approved by British Board of Agrément



	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
Acoustic K Foam		✓	✓	✓	✓	✓	✓	✓				
Isowarm		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
K Screed	✓	✓	✓	✓	✓	✓	✓	✓				

Model Specifications

Product: Acoustic K Underfloor Heating
 Preparatory work and application in accordance with manufacturer's instructions.
 Manufacturer: Flowcrete UK Ltd

Acoustic K Underfloor Heating

A precast concrete floor slab with a 65mm K-Screed on an Isowarm Underfloor Heating Board with stapled underfloor heating system, separated by a 6mm Acoustic K resilient layer with junctions formed using an edge strip. A ceiling of 8kg/m² plasterboard fixed to a metal frame system with a minimum 100 mm void.

Precast concrete hollow core slab 150mm thick (minimum mass of 300 kg/m²). Joints between planks filled with sand cement mix grout.

25mm EPS Isowarm Underfloor Heating Tackerboard's 16mm pipes stapled to insulation (at 200mm centres) all joints butted and taped.

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

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

Installation Service

The installation should be carried out by an Acoustic K with Isowarm licensee with a documented quality assurance scheme. Obtain details of our licensed contractors by contacting our customer service team or enquiring on our website 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.

Technical Data

Test Details

Test Organisation :-
 Sound Research Laboratories Ltd

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

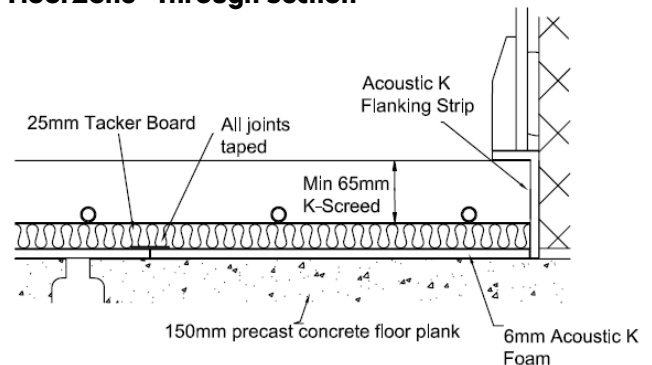
The test results achieved exceed the requirements of Approved Document E of the Building Regulations 2003 which requires :-
 Airborne Sound performance minimum 45dB and
 Impact Sound performance maximum 62dB.

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.

FloorZone - Through Section



2014.07, 07 UK