

Isocrete Acoustic K

An acoustic separating floor system for use with a precast concrete floor slab with a 50 mm Isocrete K-Screed, separated by a 9 mm resilient layer with junctions formed using a prefabricated edge strip.



Thickness:

Provides a reduced screed thickness.



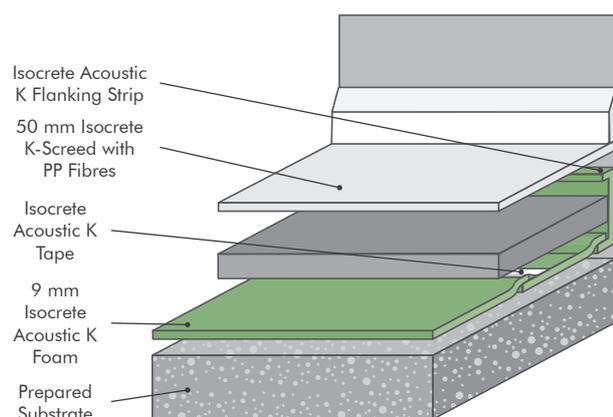
Resistant:

High strength and resistance to construction traffic.



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.

Isocrete K-Screed Profile

DENSITY (APPROX.)

1,800–2,000 kg/m³

BRE TEST CATEGORY

BS8204-1

Category A

COMPRESSIVE STRENGTH (28 DAYS)

BS EN 196-1

>25 N/mm² Standard
K-Screed
>30 N/mm² Heavy Duty
K-Screed

SPEED OF CURE** (ISOCRETE K-SCREED)

10°C

20°C

Working Time

2–3 hrs

2 hrs

Light Foot Traffic

48 hrs

24 hrs

Full Traffic

7 days

7 days

Curing Under Polythene

7 days

7 days

*The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

**Drying time to receive finishes (BS8203) 1 week per 25mm in good drying conditions (20°C, 50% RH, good ventilation) from removal of the curing polythene sheet.

Model Specification

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

Acoustic K

A precast concrete floor slab with a 50 mm Isocrete K-Screed separated by a 9 mm resilient layer with junctions formed using a prefabricated edge strip. A ceiling of 8 kg/m² 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/m²). Joints between planks filled with sand cement mix grout.

Resilient layer under screed of 9 mm Isocrete Acoustic K Foam with joints overlapped by 50 mm and taped with Isocrete Acoustic K Tape.

Junctions with walls formed using Isocrete Acoustic K Flanking Strip.

A 50 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.

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.

The sound proofing provides a more aesthetically acceptable environment.

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. [03/06/19, 01 UK]