

Isocrete K-Screed

A semi-dry cementitious screed which incorporates proprietary additives that produce an early drying, high strength screed.

Can be laid bonded, un-bonded or floating for commercial developments subject to high traffic.



Reduces Construction Times:

Reduced water content allows screed to cure quicker.



Excellent Workability:

Excellent workability and good compaction properties.



High Strength Finish:

Provides a strong and durable screed ready to receive a variety of finishes.



Compliant:

Complies with a variety of building regulations. Contact Technical Dept.



HD Specs Available:

Heavy Duty specification available for areas requiring Category A soundness.



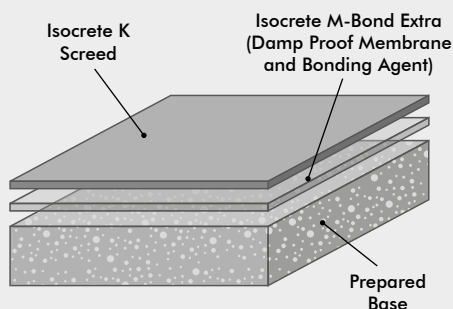
Technical Profile*

DENSITY (APPROX)			
1,800 - 2,000 kg/m ³			
BRE TEST CATEGORY			
BS 8204-1	Cat: A		
COMPRESSIVE STRENGTH (28 DAYS)			
BS EN 196-1	Standard K-Screed: >25 N/mm ² Heavy Duty K-Screed: >30 N/mm ²		
SPEED OF CURE	10 °C	20 °C	30 °C
Working Time	2 - 3 h	2 h	1.5 h
Light Traffic	48 h	24 h	20 h
Full Traffic	7 d	7 d	7 d
Curing Under Polythene	7 d	7 d	7 d

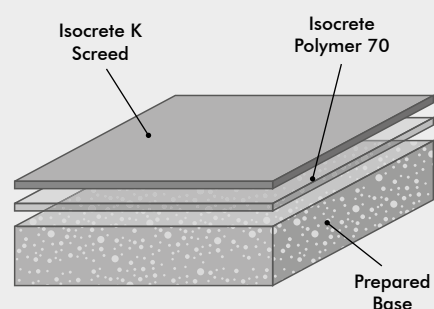
Drying time to receive finishes (BS8203) 1 week per 25mm in good drying conditions (20°C, 50% RH, good ventilation) from removal of the curing polythene sheet.

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

Bonded Screed with DPM



Bonded Screed



Model Specification

System	Isocrete K-Screed (Standard / Heavy Duty)
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Bonded: Standard (or Heavy Duty) Isocrete K-Screed to be supplied and laid on an uncontaminated, shotblasted or scabbled and vacuum cleaned in situ concrete base, bonded with Isocrete Polymer 70 primer and grout (or bonded with Isocrete M-Bond epoxy bonding agent or bonded with Isocrete M-Bond Extra combined dpm and bonding agent).

Unbonded: Standard (or Heavy Duty) Isocrete K-Screed reinforced throughout with steel fabric to BS4483 ref. D49 (or reinforced throughout with Isocrete PP Fibres with a strip of steel fabric to BS4483 ref. D49 across day joints) to be supplied and laid on a sound and clean bituminous DPM.

Floating: Standard (or Heavy Duty) Isocrete K-Screed reinforced throughout with steel fabric to BS4483 ref. D49 (or reinforced throughout with Isocrete PP Fibres with a strip of steel fabric to BS4483 ref. D49 across day joints) laid on and including insulation board.

Model specifications are also available for various other screed configurations. Preparatory work and application in accordance with manufacturer's instructions.

Products Included In This System

Bonded

Primer:	Polymer 70 primer @ 0.05 kg/m ² Polymer 70 grout @ 0.05 kg/m ²	M-Bond (M-Bond Extra) @ 0.5 kg/m ² (0.9 kg/m ²)
Minimum Screed Thickness:	Standard: 20mm Heavy Duty: 40mm	Standard: 15mm Heavy Duty: 30mm
Curing:	Polythene Sheet	Polythene Sheet

Unbonded

DPM:	Proprietary bituminous membrane
Reinforcement:	Isocrete PP Fibres or D49 steel fabric
Minimum Screed Thickness:	Standard 40mm Heavy Duty 60mm
Curing:	Polythene sheet

Floating

Insulation board / extruded polyethylene:	Proprietary materials
Reinforcement:	Isocrete PP Fibres or D49 steel fabric
Minimum Screed Thickness:	Generally 75mm (65mm domestic) but can be less on thin insulation. Consult Isocrete Technical Advisors.
Curing:	Polythene sheet

Standard/Heavy Duty Isocrete K-Screed used @ 135kg/m² for 75mm thickness.

Detailed application instructions are available upon request.

Smoothing Compounds

Isocrete K-Screeds are generally finished suitably to receive floor finishes direct. Damage to the surface of unprotected screeds may mean that a smoothing compound is necessary. However, it should be noted that the applicators of modern thin flooring will often recommend a smoothing compound on even well finished semi-dry screeds.

If smoothing compounds are required:

Primer:	Isocrete Primer @ 0.05 kg/m ²
Smoothing Compound:	Isocrete 1500 (3mm) @ 5.1 kg/m ²

Residual Moisture Content

Before floor finishes are laid, the moisture content of the screed should be checked by the main contractor. BS8203 recommends a maximum of 75% prior to the installation of sensitive finishes.

Moisture in the base will impede the drying of the screed. For unbonded and floating screeds, a DPM may be specified between the base slab and the screed. For bonded screeds, Isocrete M-Bond Extra epoxy resin combined DPM and bonding agent may be used.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at www.flowcreteasia.com

Important Note

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.

Further Information

To ensure you are specifying a fit-for-purpose floor, please consult our Technical Advisors or visit our website to register your interest in specifying one of the most durable floors on the market.

1. Light colours may require additional coats to achieve desired results 2. It is recommended that top coat colours are close to base coats colours to achieve desired results
3. This product is not UV stable and may discolour unless otherwise stated 4. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.

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Don't see your location listed? Visit www.flowcreteasia.com to find your nearest office.