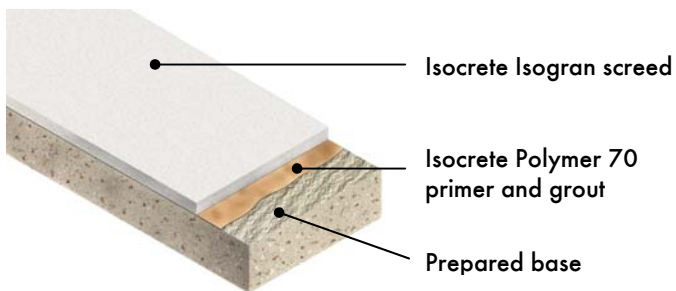


## Isocrete Isogran



### Typical Cross Section



### Description

A modified granolithic wearing screed incorporating Isocrete Polymer 70 to provide a tough, hardwearing heavy duty floor.

### Uses

Isocrete Isogran provides a strong wear resistant, heavy duty flooring suitable for store rooms, workshops, plant rooms, service areas in offices, hospitals, laundries, etc. It can be used as a base for resin finishes.

Can be laid bonded to suitably prepared in-situ concrete floors. Isocrete Isogran is not recommended for use on pre-cast concrete plank or beam and block construction.

Can be used for treads and risers on staircases.

Can be used to form coved skirtings against concrete or sound block and brickwork.

### Benefits

- Strong, heavy duty wearing screed
- Resistant to impact damage and surface wear
- Resistant to oil, petrol and grease
- Maintenance free apart from normal sweeping and washing

### Project References

Jubilee Line underground stations;  
Deeside Power Station;  
Burtons Biscuits

## Model Specifications

Product: Isocrete Isogran

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

Manufacturer: Flowcrete UK Ltd

Telephone: Customer Service - +44 (0)1270 753000

\_\_\_\_\_ mm Isocrete Isogran wearing screed to be supplied and laid on a shot blasted or scabbled and vacuum cleaned in situ concrete floor primed and bonded with Isocrete Polymer 70 primer and grout in accordance with the manufacturer's instructions.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. Where a dpm is required, it should be installed below the concrete slab or use M-Bond Extra combined dpm and bonding agent directly beneath the Isocrete Isogran wearing screed.

When an integral waterproofer has been incorporated in the concrete base, Isocrete Isogran can be used providing it is bonded to the concrete with a single coat of M-Bond epoxy resin.

In the case of new construction, it is essential that the base concrete has been laid for a minimum of 3 weeks.

## Products included in this system

Primer: Isocrete Polymer 70 primer @ ~0.05 kg/m<sup>2</sup>

Grout: Isocrete Polymer 70 grout @ ~0.05 kg/m<sup>2</sup> of polymer

Or, primer: M-Bond (Red) @ ~0.45 kg/m<sup>2</sup>

Or, combined primer and dpm: Isocrete M-Bond Extra  
1<sup>st</sup> coat M-Bond Extra (Red) @ ~0.45 kg/m<sup>2</sup>  
2<sup>nd</sup> coat M-Bond Extra (Black) @ ~0.35 kg/m<sup>2</sup>

Screed weight: Isocrete Isogran @ 44 kg/m<sup>2</sup> (20 mm)

Curing: polythene sheet

Detailed application instructions are available upon request.

## Thicknesses

Single layer, bonded 20 – 50 mm

Two layers, bonded 50 – 80 mm

(First layer to be semi dry, immediately followed by a 30 mm layer of finishing grade material laid monolithic with the base)

Staircase treads, bonded 25 mm min.

Staircase risers, bonded 20 - 30 mm

## Bay Sizes

Isocrete Isogran is always laid in bays, not exceeding 15m<sup>2</sup> and of maximum length 5 metres.

## Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme.

Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site

[www.flowcrete.co.uk](http://www.flowcrete.co.uk)

## Technical Information

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

Density (approx.) 2,150 – 2,250 kg/m<sup>3</sup>

Compressive Strength (28 days) (BS EN 13892-2) >55 N/mm<sup>2</sup>

## Speed of Cure

|                        | 10°C     | 20°C         |
|------------------------|----------|--------------|
| Working time           | 2 - 3hrs | 2 hrs        |
| Light foot traffic     | 4 days   | 3 - 4 days   |
| Limited site traffic   | 14 days  | 10 - 14 days |
| Full traffic           | 14 days  | 10 - 14 days |
| Curing under polythene | 5 days   | 5 days       |

**Note:** Low temperatures will slow the rate of hardening. High temperatures may lead to rapid drying and extra curing may be required.

## Focus on the Floorzone

Flowcrete are market leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, corrosion resistant systems... to name just a few.

Our objective is to satisfy your Floorzone needs.

## 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.