

## Isocrete 1500 (4-20mm)



### Description

A fast drying, hand or pump applied cement-based underlayment, for easy levelling of concrete floors before the installation of floor coverings (e.g. vinyl, carpets, ceramic tiles, wood block linoleum or cork).

For pump application, at least 8mm average thickness would be a typical expectation on a reasonably level base.

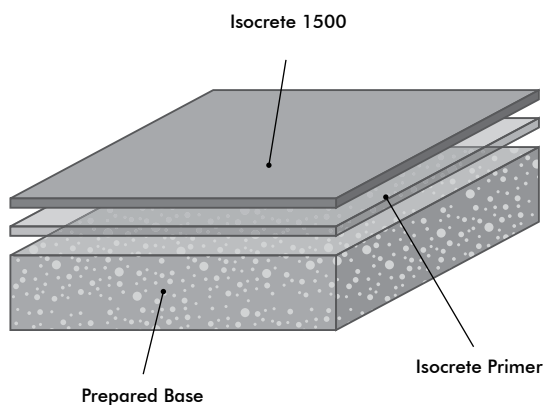
### Uses

For fast track refurbishment and new construction where floor finishes need to be applied quickly.

Suitable for smoothing floors in office buildings, shops, public buildings, schools, hospitals, airports and prisons.

May be used as a screed to receive an epoxy resin finish in areas taking light traffic. For a flowing screed for industrial projects, use Flowscreed Industrial Top.

### System Design



### Benefits

- Self levelling
- Fast track installation - 2,000m<sup>2</sup> per day for
- 7mm thickness, under suitable conditions
- Fast setting - walk on after 2 - 4 hours under suitable conditions
- Fast drying - install moisture sensitive finishes after 24 hours at screed thicknesses below 10mm
- Single pack
- Protein free - will not harbour bacteria

## Model Specification

System: Isocrete 1500  
Thickness: 4 - 20mm  
Preparatory work and application in accordance with 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. The substrate should be dry up to 75% RH as per BS8204 and free from rising damp and ground water pressure. If above 75% RH, or no damp proof membrane is present, Hydraseal DPM can be incorporated directly beneath the Isocrete 1500 system, enabling the immediate installation of floor finishes once the screed has dried.

## Products Included in this System

Primer: Isocrete Primer @ 0.05 kg/m<sup>2</sup>

Or if DPM required:

DPM: Hydraseal DPM @ 0.50 kg/m<sup>2</sup>  
Sand Scatter: Silica Sand grade 40/80 Mesh  
Floor Screed: Isocrete 1500

Detailed application instructions are available upon request.

## Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at [www.flowcreteasia.com](http://www.flowcreteasia.com)

## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Important Note

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.

## Technical Information

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

Fire Resistance	E (EN 13501-1)
Impact Resistance	BS 8204-1 Cat: A
Thermal Resistance	50°C Max
Compressive Strength (28 days)	30 N/mm <sup>2</sup> (BS EN 196)
Flexural Strength (28 days)	7 N/mm <sup>2</sup> (BS EN 196)
Adhesion to C30 Concrete (28 days)	> 1N/mm <sup>2</sup>
Shrinkage	<0.06%
Maximum Particle Size	0.5mm
Protein Content	Nil
Thickness	0 - 20 mm Hand Applied 4 - 20 mm Pump Applied
Laying temperature	5 - 30°C
Flow Ring (65mm diam. X 40mm high)	230 - 250mm
Mix Ratio per 25kg	5.7 litres water

## Speed of Cure

	10°C	20°C
Walk on	4-8 hrs	2-4 hrs
Full traffic	2 days	2 days

## Drying Time

Moisture sensitive floor finishes can be installed when the screed is dry to 75% RH as per BS8203, typically after 24 hours, dependent on thickness and ambient conditions (20°C, 50% RH). After 6 hours curing without draughts, ensure the area has sufficient ventilation to allow the screed to dry.

## Protection on Completion

Ensure the screed is not subject to draughts during the first 6 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement. Prevent contamination by following trades e.g. plastering, including water spillage.

## Customer Service

For more information regarding this product please contact your local Flowcrete office:

Flowcrete Asia	+60 3 6277 9575
Flowcrete Hong Kong	+852 2795 0478
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Flowcrete Thailand	+66 2539 3424
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Flowcrete Vietnam	+84 8 6287 0846

Visit our website for more locations.

## Further Information

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