

## Isocrete 1500 (4-20mm)

A fast drying, cement-based underlayment, for easy levelling of concrete floors before the installation of floor coverings.

Can be laid by hand (4mm min. thickness) or by pump application (8mm min. thickness).



### Self Smoothing:

Will self smooth (when applied above 8mm) to level out uneven surfaces.



### Versatile Application:

Can be applied by hand or pumped on site dependent on project requirements.



### Single Pack:

Supplied in single pack format reducing the need for excessive packaging.



### Durable:

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



### Rapid Drying:

Can walk on after 2 -4 hours under suitable conditions.

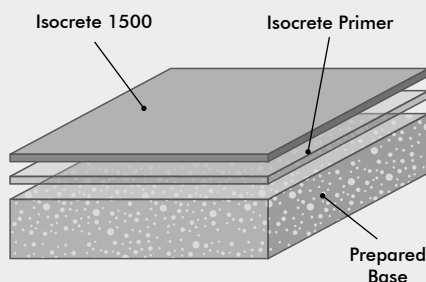


### Technical Profile\*

<b>FIRE RESISTANCE</b>		
EN 13501-1	E	
<b>THERMAL RESISTANCE</b>		
50°C Maximum		
<b>IMPACT RESISTANCE</b>		
BS 8204-1	Cat: A	
<b>COMPRESSIVE STRENGTH (28 DAYS)</b>		
BS EN 196	30 N/mm <sup>2</sup>	
<b>FLEXURAL STRENGTH (28 DAYS)</b>		
BS EN 196	7 N/mm <sup>2</sup>	
<b>ADHESION TO C30 CONCRETE (28 DAYS)</b>		
> 1 N/mm <sup>2</sup>		
<b>SHRINKAGE</b>		
< 0.06%		
<b>MAXIMUM PARTICLE SIZE</b>		
0.5mm		
<b>PROTEIN CONTENT</b>		
Nil		
<b>LAYING TEMPERATURE</b>		
5 - 30°C		
<b>FLOW RING (65MM DIAM. X 40MM HIGH)</b>		
230 - 250mm		
<b>MIX RATIO PER 25KG</b>		
5.7 litres water		
<b>SPEED OF CURE</b>	10 °C	20 °C
Walk on	4-8 h	2-4 h
Full Traffic	2 d	2 d

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

### System Design



## Model Specification

System	Isocrete 1500
Thickness	4 - 20mm
Manufacturer	Flowcrete Asia

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

## Products Included In This System

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

**Or if DPM is 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.

## 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.

## Drying Times

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.

## 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](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 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.