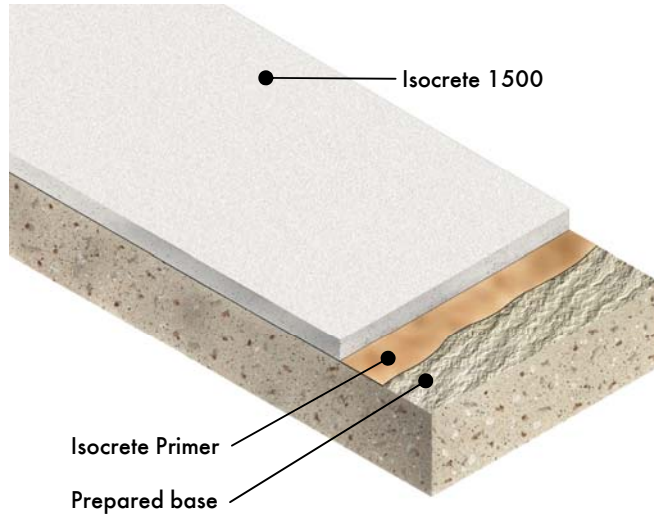


Isocrete 1500 (0 - 20 mm)

Typical Cross Section



Description

A fast drying, hand (0 - 20 mm) or pump applied (4 - 20 mm) 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 pumped application, at least 8 mm 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 use, use Flowscreed Industrial Top.

Benefits

- Fast track application
- Self levelling
- Rapid installation - 2,000m² per day for 7 mm 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

Project References

Bhs; County Hall, London; Curry; Daresbury Park Hotel; Dixons; Heathrow Airport; Marks & Spencer; Nat West Tower; PC World; Royal Grammar School, Lancaster; St James Hospital; Science Museum, London.

Model Specification

Product: Isocrete 1500
Thickness: _____ between 0 - 20 mm
Preparatory work and application in accordance with manufacturers instructions.
Manufacturer: Flowcrete UK Ltd
Telephone: Customer Service - +44 (0) 1270 753000

Installation Service

The installation can be carried out by any competent contractor. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcrete.com

Products Included in this System

Primer: Isocrete Primer @ 0.05 kg/m²

Or, if dpm required:

DPM: Hydraseal DPM @ 0.5 kg/m²
Sand scatter: Silica Sand grade 10/16 (1 - 1.7 mm) @ ~2 kg/m²

Floor Screed: Isocrete 1500 @ 11.9 kg/m² for 7 mm

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry 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.

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.

Focus on the Floorzone

Flowcrete Group plc are world 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 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.

System Performance Guide

The table below shows how well the system complies with different characteristics.

A scale of 1 - 5 where 5 is the best value.
5 Excellent, 4 Very Good, 3 Good (Pass), 2 Fair, 1 Poor

Fire Safety	5	Shrinkage	5
Compressive Strength	4	Drying Time	4
Impact Resistance	4	Wear Resistance	3
Thermal Resistance	3	Foot Traffic	5

Technical Information

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

Fire Resistance	BS 476-7: Spread of flame Class 1
Impact Resistance	BS 8204-1 Cat: A
Thermal Resistance	50 °C max
Compressive Strength (28 days)	33 N/mm ² (BS EN 196)
Flexural Strength (28 days)	9N/mm ² (BS EN 196)
Adhesion to C30 Concrete (28 days)	> 1N/mm ²
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 - 25 °C
Flow Ring (65 mm diam. X 40 mm high)	230 - 250 mm
Mix ratio per 25kg	4.5 - 5 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.

Further Information

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

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