

Isocrete Self Level Plus (2-4mm)



Description

A fast drying hand and pump applied cement-based underlayment, for easy levelling of concrete floors before the installation of thin floor coverings (e.g. vinyl and carpets).

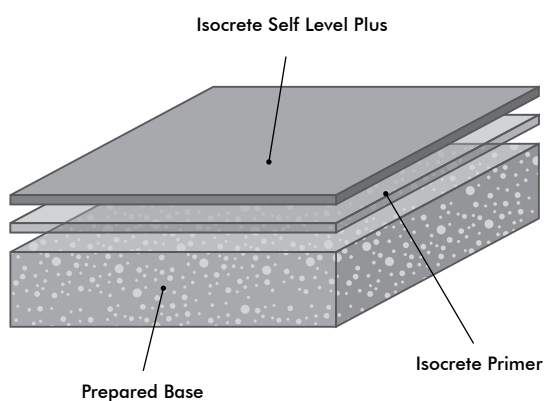
Uses

Suitable for floors in office buildings, shops, public buildings, schools, hospitals, airports, prisons, hotels and resorts, casinos.

Isocrete Self Level Plus provides good resistance to impact, point loading and abrasion - making it suitable as a temporary work surface for following trades prior to vinyl being applied.

For a screed to receive an epoxy resin finish in areas taking light traffic, use Isocrete 1500. For a flowing screed for industrial use, use Flowscreed Industrial Top.

System Design



Benefits

- Self levelling
- Fast track installation - 2,000m² per day for 2mm thickness, under suitable conditions
- Fast setting - walk on after 2 - 4 hours under suitable conditions
- Fast drying - install moisture sensitive finishes after 24 hours dependent on thickness, ambient temperatures and humidity
- Single pack
- Protein free - will not harbour bacteria

Model Specification

System: Isocrete Self Level Plus
Thickness: 2-4mm
Preparatory work and application in accordance with manufacturer's instructions.

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 up to 75% RH as per BS8204 and free from rising damp and ground water pressure. If above 75% RH Hydraseal DPM can be incorporated directly beneath the Isocrete Self Level Plus system, enabling the immediate installation of floor finishes once the screed has dried.

Products Included in this System

Primer: Isocrete Primer @ 0.05 kg/m²

Or if DPM required:

DPM: Hydraseal DPM @ 0.50 kg/m²
Sand Scatter: Silica Sand grade 40/80 Mesh
Floor Screed: Isocrete Self Level Plus

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

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)	24 N/mm ² (BS EN 196)
Flexural Strength (28 days)	6 N/mm ² (BS EN 196)
Adhesion to C30 Concrete (28 days)	> 1 N/mm ²
Shrinkage	< 0.06%
Maximum Particle Size	0.5mm
Protein Content	Nil
Thickness	2 - 4mm
Laying Temperature	5 - 35°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
Light Foot 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
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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.