

Isocrete 1500 (0–20 mm)

A fast drying underlayment for all-purpose and easy levelling of concrete floors prior to application of floor coverings.

Where commercial traffic floor finishes need to be applied quickly. An 8 mm average thickness is a typical expectation on a reasonably level base for pumped application.



Rapid Installation:

2,000 m² per day for 7 mm thickness under suitable conditions.



Flexible:

Flexible self levelling hand or pump application.



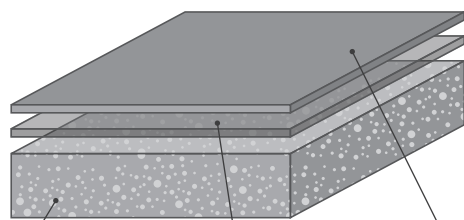
Protein Free:

Will not harbour bacteria, yeast or mould.



Fast Drying & Setting:

Walk on after 2–4 hrs, moisture sensitive finishes after 24 hrs (below 10 mm).



Prepared Substrate

Isocrete Primer

Isocrete 1500

Technical Profile*

| | | |
|--|----------------------|-------------|
| REACTION TO FIRE | | |
| EN 13501-1 | B _{fl} -s1 | |
| IMPACT RESISTANCE | | |
| BS 8204-1 | Category A | |
| THERMAL RESISTANCE | | |
| 50°C Max | | |
| COMPRESSIVE STRENGTH (28 DAYS) | | |
| EN 13892-2 | 33 N/mm ² | C30 |
| FLEXURAL STRENGTH (28 DAYS) | | |
| EN 13892-2 | 8 N/mm ² | F8 |
| ADHESION TO C30 CONCRETE (28 DAYS) | | |
| > 1 N/mm ² | | |
| SHRINKAGE | | |
| < 0.06% | | |
| MAXIMUM PARTICLE SIZE | | |
| 1 mm | | |
| PROTEIN CONTENT | | |
| Nil | | |
| THICKNESS | | |
| 0–20 mm hand applied 4–20 mm pump applied | | |
| LAYING TEMPERATURE | | |
| 5–25°C | | |
| FLOW RING (65 mm Diam. × 40 mm High) | | |
| 220–240 mm | | |
| MIX RATIO PER 25KG | | |
| 4.5–4.8 litres water | | |
| SPEED OF CURE | 10°C | 20°C |
| Walk on | 4–8 hrs | 2–4 hrs |
| Full Traffic | 2 days | 2 days |

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

For any other information please contact your local Flowcrete Technical Department.

Model Specification

| | |
|-----------|---------------|
| System | Isocrete 1500 |
| Thickness | 0–20 mm |

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

Products Included In This System

| | |
|---------------------|---|
| Primer | Isocrete Primer @ 0.05 kg/m ² |
| Or if DPM required: | |
| DPM | Hydraseal DPM @ 0.5 kg/m ² |
| Sand scatter | dry Silica Sand/Quartz grade 1–2 mm @ 2 kg/m ² |
| Floor Screed | Isocrete 1500 @ 11.9 kg/m ² for 7 mm |

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH, tested in accordance with BS8203 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 (Novus) system, enabling the immediate installation of floor finishes once the screed has dried.

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 website www.flowcrete.co.uk.

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 24 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 and strong sunlight during the first 24 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.

Important Notes

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. Please review warranty in detail before installing the products.

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.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [01/05/19, 01 UK]