



## Isocrete 1500 (Green) (0-20mm)

### Product Description

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

### 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.

**NOTE:** Any contamination of the (Green) formulations (either powder or wet material) with Portland Cement will result in flash setting. Any equipment used for pumping and mixing should be clean and free from Portland Cement based products.

The (Green) formulations can be applied on a Portland Cement based substrate as long as it is fully cured.

Different formulations **must not** be laid within the same application pour (i.e. wet to wet) but may be used on the same project if a new pour is laid up against cured material and the same appearance is not important.

### Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheet.

### Flow Rate & Water Content

Flow rate 220 - 240 mm.      Water Addition 4.5 - 4.8 litres water (per 25 kg bag)

**NOTE:** At substrate and/or material temperatures below 10°C, the fluidity will be reduced. Between 5 and 10°C, control the water addition to achieve a flow rate of 210 - 220 mm to prevent over-watering the product.

Always put the water into the mixing tub before the powder.

Do not exceed the recommended water addition.

**NOTE:** All equipment must be cleaned of all Portland Cement traces before use.

### Application Time/Pot Life

Do not mix more material than can be used within 10 minutes at a temperature of 20°C.

At higher temperatures the application time is shorter.

### Application Temperature & Humidity

The recommended substrate temperature is 15 - 25°C, but no less than 5°C and to a maximum of 25°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. The base slab and air temperatures should not fall below 5°C in the 72 hrs after application.

Ambient humidity should be above 50% RH during application and cure. Fluid screeds should be prevented from drying out too quickly before gaining adequate strength to resist natural shrinkage. Application should take place in a "protected" environment where the temperature remains stable, is draft free and protected from the effects of strong sunlight.

### **Cure Time (20°C)**

The area to be screeded must be weather-tight (i.e. all roofs, windows and doors are covered). The screed should be protected from draughts and strong sunlight during and for 24 hours after the screed is laid.

- Moisture sensitive floor finishes can be installed when the screed is dry to 75% RH as per BS8203, typically after 1 - 3 days, dependent on thickness and ambient conditions (20°C, 50% RH).
- Access to the screed should be restricted for at least 12 (preferably 24) hours to prevent damage to the screed surface. Thereafter light foot traffic should be possible.
- Normal site traffic and erection of partitions on the screed is permitted after the screed has hardened, typically 24 to 48 hours.

**NOTE:** These times may be extended in cold weather.

**NOTE:** Although the curing will be unaffected, the drying time will be extended if the ambient humidity is in excess of 75% RH.

### **Protection**

Isocrete 1500 is not intended to be a wearing surface and must be protected, by suitable sheet material, in areas where it may be subjected to intensive or heavy use before the final floor finish is laid.

### **Colours**

Grey

### **Solids Content**

Approx. 100%

### **Density**

Approx. 1.7 kg/litre

### **Storage**

6 months in unopened pack. Storage temperature between 6°C and 25°C.  
Protect from weather and moisture /contaminant ingress.

### **Packaging**

Isocrete 1500 is a one pack material, delivered in 25 kg bags.

Any recommendation or suggestion relating to the use of the products made by Flowcrete Middle East FZCO, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.