

Isocrete 4000 (0 - 50 mm)

Product sheet

Product description

A single component quick hardening screed for levelling and smoothing floors where rapid drying is essential. Isocrete 4000 is hand applied by trowel.

Uses

Typically used for filling holes or depressions where rapid drying is essential, for fast track refurbishment and new construction where carpets, ceramic tiles, vinyl, linoleum, wood block, cork or similar floorings need to be applied very quickly.

Used for smoothing floors in office buildings, dwellings, public buildings, schools, hospitals and other places exposed to similar loads.

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.

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 and Water Content

Flow rate - not applicable. 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.

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 and 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.

Curing time (at 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 day, 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 4000 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.

Colour

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 4000 is a one pack material, delivered in 25 kg bags.

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