



ISOCRETE SELF LEVEL SCREEDS

- ✓ Healthcare
- ✓ Education
- ✓ Leisure & Retail
- ✓ Airports & Transport
- ✓ Residential
- ✓ Industrial

Isocrete Self Level Floor Screeds

Flowcrete UK's range of Isocrete Self Levelling Screeds offer numerous advantages for use in both new build and refurbishment projects.

Not only do they meet BS 8204-7 standards, they are also more robust in multi-use application depths, less sensitive to elevated application temperatures and offer an improved dimensional stability/shrinkage profile.

What's more, these applicator friendly formulations can be laid at reduced thickness's compared to semi-dry screeds, delivering reduced shrinkage, superior compressive strengths and impressive thermal conductivity in conjunction with underfloor heating.

Benefits



Meet BS 8204-7 criteria



Flowable & self-smoothing



High compressive strength at a reduced thickness



Can be used in conjunction with the majority of floor finishes



Can be laid at a reduced thickness



Lower tendency to split/separate on over watering



Easy & quick to apply



Faster drying times & reduced shrinkage



Good thermal conductivity with underfloor heating

Application Suitability



Healthcare



Education



Leisure



Residential



Retail



Airports



Transport



Industrial



FM 569508 EMS 569510



N55Plus





Technical Profile*

FIRE RESISTANCE		
BS EN 13501-1	A _{FL} (No contribution to fire)**	
IMPACT RESISTANCE		
BS 8204-1 Category A		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	25 N/mm ²	C25
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	6 N/mm ²	F25
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1 N/mm ²		
LAYING TEMPERATURE		
3 – 30°C		
DRYING MOVEMENT		
> 0.04% (expansion)		





*These figures are typical properties achieved in laboratory tests at 20°C and at 65% Relative Humidity, mixed with laboratory graded sand 0/4 mm (MP) category 1 to BS 13139:2002.

**Contains less than 1% organic material and is classified in accordance with BS EN 13501-1 as Class A1FL without testing. (Commission Decision 96/603/EC as amended by Decision 2000/605/EC).

Isocrete Alpha Screed (20–60mm)

A pump applied self levelling floor screed, manufactured from a combination of natural sand and recycled alpha hemi-hydrate calcium sulphate binder.

Isocrete Alpha Screed provides an ideal smooth for sub floor levelling, a flat surface for the application of thin floor coverings, tiles and other specialist finishes toppings.

- 
Foot traffic in 24 hours
- 
Minimal cracking, no curling
- 
Cures quicker than anhydrite screeds
- 
Underfloor heating at only 15mm cover

Technical Profile*

FIRE RESISTANCE

BS 476-7

Spread of Flame Class 1

IMPACT RESISTANCE

BS 8204-1 Category A

COMPRESSIVE STRENGTH (28 DAYS)

BS EN 1396

30 N/mm²

FLEXURAL STRENGTH (28 DAYS)

BS EN 196

9 N/mm²

ADHESION TO PRIMED ISOCRETE ALPHA SCREED

> 2 N/mm²

LAYING TEMPERATURE

5 – 30°C

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

Isocrete Alpha Smoothing Compound has been tested in accordance with BS EN ISO 9239-1 & BS EN ISO 11925-2.

Isocrete Alpha Smoothing Compound (2–20mm)

A one pack polymer modified smoothing compound manufactured from a combination of natural and recycled raw materials.

Isocrete Alpha Smoothing Compound is used for effective smoothing of Isocrete Alpha Screed surfaces before the installation of floor coverings



Foot traffic in 2–4 hours



Underfloor heating at only 15mm cover



Environmentally friendly



Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
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		
LAYING TEMPERATURE		
5 – 25°C		

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

Isocrete 1500 (0–20mm)

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

Isocrete 1500 has been designed for fast track refurbishment and new construction where floor finishes need to be applied quickly.



Foot traffic in 2–4 hours & ready to cover after 24 hours



Hand or pump applied



Areas of heavy traffic

Isocrete 4000 (0–50mm)

A hand applied, self levelling, single component quick hardening screed for levelling and smoothing floors where fast drying is essential.

Isocrete 4000 is typically used for filling holes or depressions, for fast track refurbishment and new construction.



Foot traffic in 2 hours & ready to cover after 4 hours



Hand applied



Areas of medium to heavy traffic

Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	30 N/mm ²	C30
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	7 N/mm ²	F7
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1 N/mm ²		
LAYING TEMPERATURE		
5 – 25°C		

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

Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
THERMAL RESISTANCE		
Up to 50°C		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	20 N/mm ²	C20
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	6 N/mm ²	F6
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1 N/mm ²		
LAYING TEMPERATURE		
5 – 25°C		

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

Isocrete 5000 (3–50mm)

A hand applied, single component screed for levelling concrete floors, patching existing screeds and filling holes in a base where fast drying is essential.

Isocrete 5000 can be used for fast track refurbishment and new construction.



Hand applied



Foot traffic in 2–4 hours & ready to cover after 4 hours



Areas of medium to heavy traffic

Isocrete SL Base (3–50mm)

A fast drying, self levelling screed for easy levelling of concrete floors before installation.

Isocrete SL Base can be used as levelling layer underneath Isocrete 1500, SL Plus or bonded Isocrete SL Renovation, or can be used on its own to level the concrete base.



Foot traffic in 2–4 hours & ready to cover after 1–3 days



Hand or pump applied



Areas of heavy traffic

Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
THERMAL RESISTANCE		
Up to 50°C		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	25 N/mm ²	C25
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	6 N/mm ²	F6
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1 N/mm ²		
LAYING TEMPERATURE		
5 – 25°C		

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



Flowcrete's Commitment to Sustainability

Flowcrete UK has attained the ISO 14001:2015 environmental management system certification thanks to its dedication to sustainable, environmentally friendly working practises.

The ISO 14001:2015 policy sets the best practise benchmark for a long list of sustainable processes, including reducing a company's carbon footprint, improving recycling, reducing packaging, minimising waste and improving efficiencies on finite natural resources.

The demanding standard requires Flowcrete UK to ensure the environmental integrity of its operations at all times by adhering to the four principles of:

Prevention: Protecting the environment through the prevention of pollution and reduction of waste.

Compliance: Guaranteeing compliance with environmental laws, regulations and emissions monitoring.

Communication and Training: A commitment that employees will be educated and environmental objectives communicated to all members of staff.

Continuous Improvement: Regularly reviewing daily activity and always being on the look out for new opportunities to evolve adherence to these four principles.



Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
THERMAL RESISTANCE		
Up to 50°C		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	30 N/mm ²	C30
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	7 N/mm ²	F7
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1 N/mm ²		
LAYING TEMPERATURE		
5 – 30°C		

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

Isocrete SL Plus (3–30mm)

A fast drying, pump applied, cement-based underlayment for levelling of concrete floors before the installation of floor coverings.

Isocrete SL Plus is suitable as a temporary work surface for following trades prior to the final floor finish being applied.



Areas of heavy traffic



Pump applied



Foot traffic in 2–4 hours & ready to cover after 24 hours

Isocrete SL Renovation (5–50mm)

A fast drying, pump applied, fibre reinforced underlayment for fast track renovation of existing floors prior to application of floor coverings.

Isocrete SL Renovation can be laid over existing floor finishes such as tiles and laid flooring including with Underfloor Heating at 25mm cover.



Areas of heavy traffic



Suitable with underfloor heating



Ready to cover in 2 days

Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
THERMAL RESISTANCE		
Up to 50°C		
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		
LAYING TEMPERATURE		
5 – 25°C		

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

Technical Profile*

REACTION TO FIRE		
EN 13501-1	E	
IMPACT RESISTANCE		
BS 8204-1 Category A		
THERMAL RESISTANCE		
Up to 50°C		
COMPRESSIVE STRENGTH (28 DAYS)		
EN 13892-2	33 N/mm ²	F35
FLEXURAL STRENGTH (28 DAYS)		
EN 13892-2	8 N/mm ²	F9
ADHESION TO C30 CONCRETE (28 DAYS)		
> 1 N/mm ²		
LAYING TEMPERATURE		
5 – 25°C		

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

Flowscreed Industrial Top (5–30mm)

A fast drying cement-based, pump applied floor topping for fast track renovation of concrete floors.

Flowscreed Industrial Top can be used with resin toppings to provide better aesthetics and improved wear and chemical resistance.



Areas of heavy traffic



Pump applied



Foot traffic in 2–4 hours & ready to cover after 24 hours

Flowcem (2–3mm)

A three component, technically advanced, epoxy modified cementitious, self-smoothing screed.

Flowcem is designed to level new concrete and screeds up to 100% RH and allow the early installation of moisture sensitive finishes.



Foot traffic in 16 hours & ready to cover after 2 days



Hand applied



Includes damp proof membrane



Areas of medium to heavy traffic

Technical Profile*

WATER PERMEABILITY	
Karsten test	Nil (impermeable)
BOND STRENGTH	
EN 13892-8	2.5 N/mm ²
TEMPERATURE RESISTANCE	
Tolerant up to 50°C	
COMPRESSIVE STRENGTH	
EN 13892-2	60 N/mm ²
TOXICITY	
Taint free to sensitive foodstuffs.	
ADHESION TO C30 CONCRETE	
> 1 MPa	

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



Flowcrete

for the world at your feet



Flowcrete

World leader in seamless resin flooring solutions and other specialist coatings.

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