

Flowcem (2 – 4 mm)

Description

A 3 component technically advanced epoxy cement self-smoothing composite as a surface damp proof under lay.

Uses

- Allows immediate installation of moisture sensitive floor finishes (such as epoxy systems, vinyl or wood) onto concrete and cementitious screeds which have a moisture content of up to 99%, relative humidity or no under lay damp course membrane.
- Also suitable as a skimming and patching compound.

Benefits

- Excellent adhesion to concrete and screeds.
- Permeable to water vapour.
- Tolerates up to 99% relative humidity in the concrete or screed substrate.
- Reduces undulation on substrate.
- Chemically and mechanically compatible with concrete chemistry forming monolithic structure.
- Easy to apply (self smoothing).
- Low odour.
- Excellent resistance to water and oils.
- High mechanical strength.

Project References

Cadburys, Nestle, Enaleni Pharmaceutical, ICC Durban, Astra Zeneca, Bayer, Glaxo Smith Kline, Lever Brothers and many more.

Model Specification

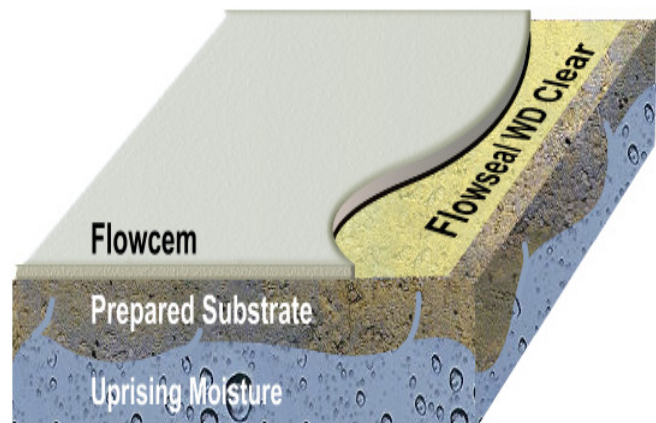
Product: Flowcem
Thickness: 2 mm
Colour: Grey Matt
Manufacturer: Flowcrete SA (Pty) Ltd
Telephone : Customer Service +27(0)31 461 3411

Preparatory work and application in accordance with supplier'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 surface dry before the application of Flowcem.

System design



Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcretesa.co.za.

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.

Focus on the Floor-zone

Flowcrete Group are world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Overlaying

Resin floor finishes can be laid directly onto Flowcem. If floor finish should be applied within 24 hours of the application of the Flowcem DPM.

Technical Information

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

Fire Resistance:	BS 476:Part 7 Surface spread of flame: Class 1 (indicative)
Thermal Resistance:	Tolerant up to 60 °C
Compressive Strength:	40 N/mm ² (BS 6319)
Toxicity:	Taint free to sensitive foodstuff
Bond Strength:	Greater than cohesive strength of 25N/mm ² concrete >1.5mPa

Speed of Cure

	10°C	20°C	30°C
Light traffic	24hrs	15hrs	12hrs
Full traffic	4 days	3 days	2 days
Full chemical cure	12 days	7 days	5 days

Life Expectancy

Flowcem is in practice a permanent membrane to protect final finishes from moisture related damage for the life of the floor, subject to there being no structural movement nor failure of the concrete slab, no severe thermal cycling nor exposure to temperatures above 50 °C.

Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.

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.