

Flowshield 1000 CR (1mm)



Description

Flowshield CR 1000 is a high chemical resistant, self-smoothing epoxy resin floor finish applied at 1mm.

Uses

Typical uses include laboratories, cleanrooms, warehouses and electronic, aerospace, automotive and printing plants. Also used for dry chemical process areas where the floor is subjected to chemical spillage and medium-duty foot, trolley, pallet truck and rubber wheeled forklift traffic.

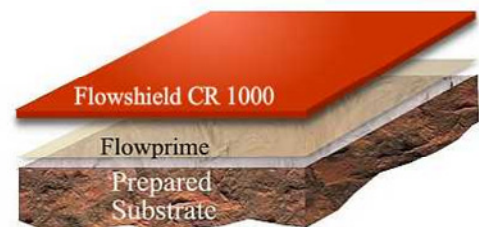
Benefits

- High chemical resistance
- Attractive, enhances working environment.
- Hygienic – easy to clean.
- Non-tainting, non-dusting.
- Hard wearing floor finish.
- Abrasion resistant.
- Anti-static grade available.

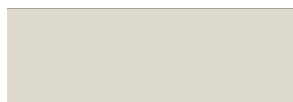
Project References

Automotive: - BMW; Toyota; Jaguar; Bentley
 Aerospace: - Airbus; ACSA; Aeronexus
 Electronic: - Ericsson; NOKIA
 Pharmaceutical: - Astra Zeneca;
 GlaxoSmithKline, Aspen Pharmacare, Lever Ponds.

System Design



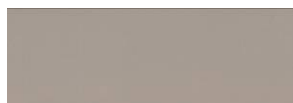
Standard Colour Chart



Light Grey



Light Stone



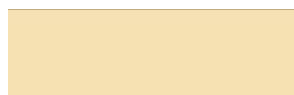
Mid Grey



Forest Green



Molluca



Cream



Tile Red



Beige

The applied colours will differ slightly from the examples shown above, due to printing variations. Contact our customer services for a true colour sample or a special colour match.

Model Specification

Product: Flowshield CR 1000
Finish: Gloss
Thickness: 1 mm
Colour: Range available
Manufacturer: Flowcrete SA (Pty) Ltd
Telephone: Customer Service: +27 31 461 3411

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

Substrate Requirements

Concrete or screed substrate should be a minimum of 20N/mm², free from laitance, dust and other contamination. The substance should be free from rising damp and ground water pressure. If no damp membrane is present Flowcem DPM can be incorporated directly beneath the Flowshield 1000 system. The substrate should be dry to 75% RH as per B58204 or less than 4%.

Products Included in this System

Primer: Flowprime
Topping: Flowshield CR

For optional sealers and slip resistant dressings please consult our Technical Advisors.

Detailed application instructions are available upon request.

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.

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 flame Class 2 (indicative) |
| Slip Resistance: | Method described in BS 7976-2 Dry 67 Wet 26 (typical values for 4-s rubber slider) |
| Thermal Resistance: | Tolerant of sustained temperatures up to 50°C |
| Water Permeability: | Nil – Karsten test (impermeable) |
| Chemical Resistance: | Go to www.flowcretesa.co.za |
| Abrasion Resistance: | BS 8204-2 Class AR2 – Medium duty industrial and commercial |
| Compressive Strength: | 55 N/mm ² (BS 6319) |
| Flexural Strength: | 35 N/mm ² (BS 6319) |
| Tensile Strength: | 25 N/mm ² (BS 6319) |
| Bond Strength: | Greater than cohesive strength of 25N/mm ² concrete >1.5mPa |
| Toxicity: | Taint free to sensitive foodstuff |

Speed of Cure

| | 10°C | 20°C | 30°C |
|--------------------|---------|--------|--------|
| Light traffic | 24hrs | 12 hrs | 8hrs |
| Full traffic | 72hrs | 48 hrs | 24hrs |
| Full chemical cure | 12 days | 7 days | 7 days |

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.