

## Flowshield UCR 1000



### Description

Extremely high chemical resistant, hard wearing, self-smoothing novolac epoxy resin flooring system.

### Uses

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

### Benefits

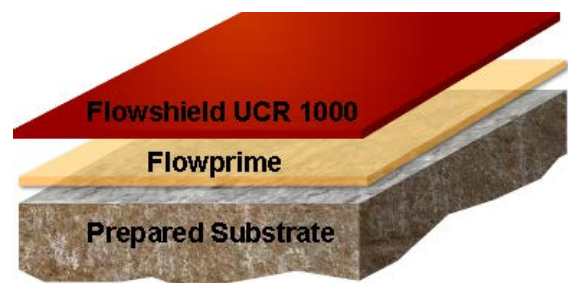
- Extremely high chemical resistance
- Attractive, enhances working environment
- Hygienic and easy to clean
- Non-tainting, non-dusting
- Hard wearing
- Abrasion resistant

### Standard Colour Chart



The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match.

### System Design



### Model Specification

Product: Flowshield UCR 1000  
Finish: Gloss  
Thickness: 1 mm  
Manufacturer: Flowcrete India Pvt Ltd  
Telephone: Customer Service - +91 44 4202 9831  
Preparatory work and application in accordance with manufacturer's instructions.

### Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry upto 75% RH as per BS8204 and free from rising damp and ground water pressure.

### Products Included in this System

Flowprime  
Flowshield UCR 1000

Detailed application instructions are available upon request.

### Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site at [www.flowcrete.in](http://www.flowcrete.in).

### 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 the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

### Focus on the Floor-zone

Flowcrete India Pvt Ltd. is a division of the Flowcrete Group, 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 and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

### Technical Information

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

Fire Resistance	BS476: Part 7 Surface spread of flame: <b>Class 2 (indicative)</b>
Slip Resistance Value (SRV)	Method described in BS 7976-2 <b>Dry 67</b> (typical values for 4-S rubber slider)
Temperature Resistance	<b>Tolerant up to 60 °C</b>
Water Permeability Nil-Karsten test (impermeable) Vapour Permeability	<b>4 gms / m<sup>2</sup> / mm / 24 hours</b>
Chemical Resistance	<b>Contact Technical Department</b>
Abrasion Resistance	Taber Abrader: <b>90mg loss per 1000 cycles</b> (1kg Load using CS17 wheels)
Compressive Strength	<b>&gt;60 N/mm<sup>2</sup></b> (BS6319)
Flexural Strength	<b>&gt;40 N/mm<sup>2</sup></b> (BS6319)
Tensile Strength	<b>&gt;25 N/mm<sup>2</sup></b> (BS6319)
Bond Strength	Greater than cohesive strength of 25N/mm <sup>2</sup> concrete. <b>&gt; 1.5 MPa.</b>
Toxicity	<b>Taint free to sensitive foodstuffs.</b>

### Speed of Cure

	10°C	20 °C	30 °C
Light traffic	30 hrs	24 hrs	12 hrs
Full traffic	72 hrs	48 hrs	24 hrs
Full chemical cure	12 days	7 days	6 days

### Aftercare - Cleaning and Maintenance

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

### 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.

### Further Information

To ensure you are specifying a fit for purpose floor 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.