

Flowshield Dielectric



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.

Description;

Flowshield Dielectric is a self-leveling, solvent-free, high build dielectric epoxy flooring.

Typical Uses;

Flowshield Dielectric may be used as a hard-wearing coloured floor coating in areas such as high voltage sub-stations- switchgear panels, VCB's, battery rooms, marshalling box flooring.

Benefits;

- Ultra high dielectric strength & insulation resistance,
- Smooth, glossy finish
- Tough, wear & weather resistant
- Easy to apply/install /clean, repair
- Excellent chemical resistance.
- High Build-high adhesion

Model Specification

Product: Flowshield Dielectric
 Finish: Gloss
 Thickness: Dependant on specification(3mm-3.5mm)
 Colour: _____
 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/ mm², 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

Flowshield Dielectric

For actual coverage rates, refer to the appropriate project specification.

Detailed application instructions are available upon request.

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: **Class1**

Slip Resistance TRRL Pendulum Slip Test
Dry >40, Wet depends on specification

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

Thermal Resistance **Tolerant up to 60 °C**

Water Permeability Nil-Karsten test (**impermeable**)

Surface Hardness **180secs.** Koenig Hardness Test

Chemical Resistance Contact Technical Department

Abrasion Resistance Taber Abrader:
80 mg loss per 1000 cycles
(1 kg load using CS10 wheels)
BS8204-2 Grade AR2

Compressive Strength **> 60 N/mm²** (BS6319)

Flexural Strength **> 40 N/mm²** (BS6319)

Tensile Strength **> 15 N/mm²** (BS6319)

Bond Strength Greater than cohesive strength of 25
N/mm² concrete.
> 1.5 MPa.

Dielectric constant
(ASTM D 150-150
KHz) 5.81

Speed of Cure

	10°C	20°C	30°C
Light traffic	48 hrs	24 hrs	18 hrs
Full traffic	72 hrs	48 hrs	36 hrs
Full chemical cure	12 days	7 days	6 days

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.

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 Floorzone

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.

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 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.