

FlowSport



Standard colour chart



Dark Green (near to RAL 6002)



Traffic Blue (near to RAL 5017)



Light Blue (near to RAL 5012)



Traffic Red (near to RAL 3020)



Signal Grey (near to RAL 7004)

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. Special corporate colours and designs can be produced to special order.

Description

FlowSport is a composite surface specially designed and fabricated by Flowcrete creating a synthetic flexible sports flooring. When applied over a suitable base, it provides a resilient uniform seamless and durable surface for multi-use gymnasium and indoor sports venues. Court lines and area markings are applied in internationally recognised colours on top of the finished surfaces.

(Please contact our Technical Advisors for details of specialist companies to supply line-marking).

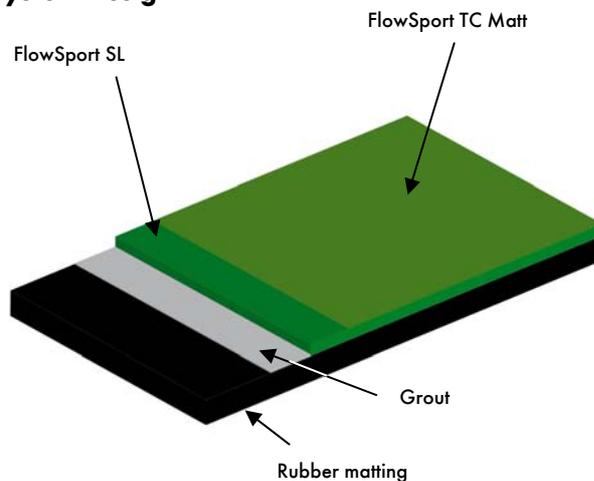
Uses

Recommended for use in education and local authority sports halls, gymnasia and leisure centres. FlowSport provides a robust, aesthetically pleasing sporting environment underfoot offering longevity for any indoor sporting facility.

Benefits

- Cushioned effect – spring & give in the floor
- Attractive range of bright colours
- Eliminates glare and light reflection
- Resilient and flexible coating
- Hard wearing - abrasion and impact resistant finish
- Seamless hygienic surface, easy to clean and maintain
- Can be used in conjunction with Isowarm underfloor heating

System Design



Model Specification

Product: FlowSport

Finish: Matt

Thickness: approx. 9 mm

Colour: _____

Preparatory work and application in accordance with suppliers instructions.

Supplier: Flowcrete UK Ltd.

Telephone : +44 (0) 1270 753000

Substrate Requirements

Concrete or screed substrates should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8204 and free from rising damp and ground water pressure. If no damp proof membrane is present, Hydraseal DPM can be incorporated as the primer.

Products Included in this System

Primer: (if required, for porous substrates)

Flowseal EPW @ 0.3 kg/m²

20% water by weight of the unit (A+B) **must** be added to the mixed product.

Adhesive: Grabfast Adhesive @ 0.08 kg/m²

Mat: FlowSport Matting 7 mm

Grout: 5 kg FlowSport Polymer mixed with 500 ml clean water and 250 g Aerosil 200

@ 0.25 kg/m² (total for two coats)

Bodycoat: FlowSport SL @ 3.3 kg/m² (total for 2 coats)

Topcoat: FlowSport TC Matt @ 0.25 kg/m² (total for 2 coats)

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.flowcrete.co.uk .

Notes

To prevent damage to the surface, choose suitably wheeled apparatus which has no sharp edges and is designed to achieve load distributions below 100psi.

Please contact our Technical Advisors for details of specialist companies to supply line-marking, which can be re-coated throughout the life of the FlowSport system.

No resin system is totally colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

Intensively coloured products (e.g. hair colorants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discoloration in the surface. Please contact our Technical Services Department for further advice.

Flowcrete UK Ltd

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Flowcrete UK Ltd is an RPM company

Technical Information

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

Slip Resistance	Dry >50 low slip potential
Method described in BS 7976-2 (typical values for 4-S rubber slider)	(in accordance with HSE and UKSRG guidelines)

The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/ or surface contaminants (wet or dry).

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.

Temperature Resistance	Tolerant up to 50 °C
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Water Permeability	Nil - Karsten test (impermeable)
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Chemical Resistance	Good resistance to tea, coffee, cola, fruit juice, soaps and bleach.
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Compression set	97-99% recovery typical after 72 hours at 50% compression at 20 °C.
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Compression properties	
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10% Modulus	7 kg/cm ² typical
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50% Modulus	50 kg/cm ² typical
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Abrasion resistance (for the Topcoat)	Taber Abrasion -
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Dry CS10/1000 cycles/1 kg - 80mg

Dry H18/1000 cycles/1 kg - 400 mg

Shore A Hardness	50
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Bond Strength	Inter-coat bond strength >2.0 MPa.
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All above values are approximate and may be used as a guideline for specifications.

Speed of Cure (from final coat)

	10 °C	20 °C	30 °C
Light traffic	36 hrs	24 hrs	12 hrs
Full traffic	72 hrs	48 hrs	24 hrs
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.

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.

Important Notes

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.

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

Model Specification written for Flowcrete UK Ltd.

Please consult Technical Team in own country region for specific details.