

Flowshield SL

Hygienic gloss self smoothing resin floor finish compliant with CSM® (Cleanroom Suitable Materials) requirements.



Easy to clean and maintain:

Typical uses include cleanrooms, laboratories, warehouses and storage areas in pharmaceutical, electronic, aerospace, automotive and printing plants



Biological resistance :

Excellent biological resistance in accordance with ISO 846; inert and fungistatic



Particle Emission:

Particle release under frictional stress is compliant with the air cleanliness requirements of ISO Class 4 cleanrooms according to ISO 14644-1



Environmentally Friendly:

Emissions of VOC at 23°C are not exceeding the limiting values for ISO-ACCm Class-8.7 according to ISO 14664-8

Technical Information¹

REACTION TO FIRE

B_{fl}-s1 EN 13501-1

SLIP RESISTANCE²

Dry > 40, low slip potential EN 13036-4

TEMPERATURE RESISTANCE

Tolerant up to 60°C

WATER PERMEABILITY

Karsten test - Nil (Impermeable)

ABRASION RESISTANCE:

Class AR2 EN 13892-4

COMPRESSIVE STRENGTH

55 N/mm² BS 6319

FLEXURAL STRENGTH

35 N/mm² BS 6319

TENSILE STRENGTH

25 N/mm² BS 6319

IMPACT RESISTANCE

IR 15 EN ISO 6272-1

BOND STRENGTH

B 2,7 EN 13813

TOXICITY

Taint free to sensitive foodstuffs

BIOLOGICAL RESISTANCE

Excellent ISO 846

VOC (AT 23°C)

ISO-ACCm Class - 8.7 ISO 14644-8

CLEANROOM AIR, CLEANLINESS CLASS

ISO-Class 4 ISO 14644-1

Standard colour chart



The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local CPG Europe office.

¹The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site. ²The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from CPG Eastern Europe), the degree of abrasion, maintenance and the nature of the dirt.

Model Specification

System:	Flowshield SL
Finish:	Gloss
Thickness:	Dependant on specification
Colour:	According to the catalog
Producer:	CPG Europe
Supplier:	Tremco CPG Poland Sp. z o.o.
Telephone:	+48 22 879 89 07

Installation Service

The installation should be carried out by a Flowcrete approved contractors with a documented quality assurance scheme. Obtain details of our approved contractors by contacting CPG Eastern Europe or enquiring via our website at www.flowcrete.com.pl.

Products Included in this System³

Primer:	Peran STC
Coating:	Flowshield SL

³ Optional Sealers are available to produce matt finish or enhance scratch resistance. Contact CPG Eastern Europe for further details.

Detailed application instructions are available upon request.

Speed of Cure

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

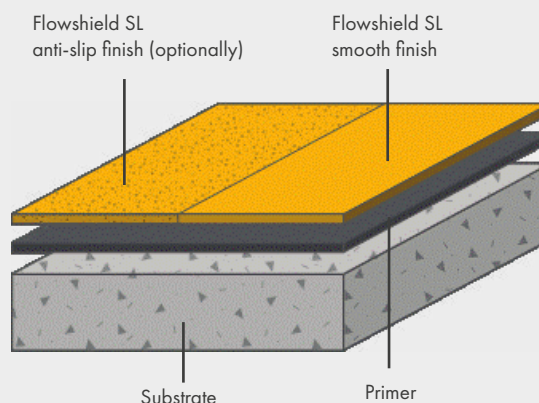
Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1,5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry up to 75% RH as per BS 8204 (5% humidity measured by the Tramex method) and free from rising damp and ground water pressure. In case of higher humidity, one should use Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

Aftercare – Cleaning and Maintenance

Clean regularly manually or using a machine in conjunction with a mildly alkaline detergent. Flowcrete Flooring Cleaning Instruction available upon request.

System Design



Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Tremco CPG Poland Sp. z o.o. (further related as „CPG Polska”) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer’s control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, CPG Polska cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized CPG Polska representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact CPG Polska.

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