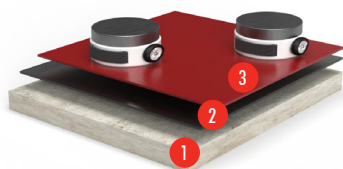


Flowshield RF (2-3 mm)

A heavy duty, self-smoothing, solvent free, flexible, coloured, polyurethane based floor coating for robot floors. The Flowshield RF system uses an additional hard wearing abrasion resistant dressing to enhance abrasion and scratch resistance.

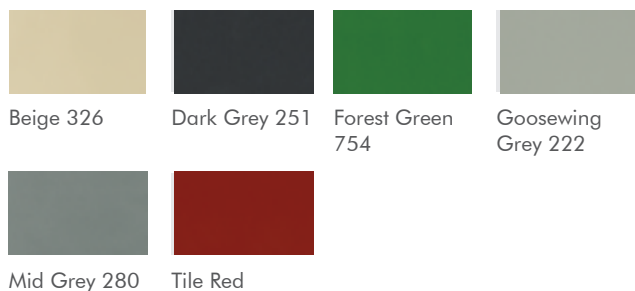


- 1 Prepared substrate
- 2 Primer
- 3 Flowshield RF

Seamless:
Delivers a seamless finish, except for underlying slab joints.

Chemical Resistant:
Excellent resistance to cleaning agents, sugars and acids.

Easy to Clean
Seamless installation ensures dirt and dust are easily cleaned away.



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



REACTION TO FIRE	
EN 13501-1	B _{f1} - s 1
IMPACT RESISTANCE	
EN ISO 6272	11 Nm
TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity 2.25 cm ³
BOND STRENGTH	
EN 1542	2.0 N/mm ²
ELONGATION AT BREAK	
BS 6319	30%
WATER PERMEABILITY	
Karsten Test	Nil (impermeable)
TEAR STRENGTH	
BS 6319	11 MPa
SLIP RESISTANCE** (in accordance with HSE and UKSRG guidelines)	
EN 13036-4 / BS 7976-2 (typical values for 4-S rubber slider)	Dry >40 low slip potential
FLEXURAL STRENGTH	
EN 13892-2	>20 N/mm ²
TENSILE STRENGTH	
BS 6319-7	>15 N/mm ²
TOXICITY	
Taint free to sensitive foodstuffs (when cured)	
BS 8204-6 / FeRFA	
Type 5	

SPEED OF CURE	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

These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.)

**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 Tremco CPG Technical Department for further details and specifications.

Model Specification

System	Flowshield RF
Finish	Gloss
Thickness	2 - 3 mm

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

Products Included In This System

[Primer]	Concrete: Deckshield SF Primer @ 0.3 kg/m ² (Porous substrate may require 2 coats) Steel: Peran Primer W @ 0.25 kg/m ² Wood: Deckshield SF Primer @ 0.3 kg/m ² Asphalt: Deckshield SF Primer @ 0.3 kg/m ² (Porous substrate may require 2 coats)
[Coating]	Flowshield RF (density 1.8 kg/l) @ 3.6 kg/m ² for 2 mm

For slip resistant dressings, please consult Tremco CPG Technical Department. Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination. Substrate should be dry to 95% RH as per BS 8203. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Flowshield system.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact your local Tremco CPG office. Detailed application instructions are available upon request.

Aftercare, Cleaning & 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 and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Tremco CPG staff and fully trained application teams.

Important Notes

Flowshield RF is not 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 light colours and blues but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

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

Tremco CPG UK Ltd 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. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products. 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 Tremco CPG UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Tremco CPG UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Tremco CPG UK Ltd. Please consult Technical Team in your own country region for specific details. [2023.11.16 UK]