

INDUSTRIAL FLOORING

Durable workhorse surfaces suited to use in a wide range of demanding industrial plants and process environments.

Industrial Flooring Range



Industrial Flooring range has been developed to deliver the ultimate in durability and resistance for hard-wearing surfaces that stand the test of time.

Reliable formulations stand up to heavy forklift, pallet truck and pedestrian traffic, whilst boasting impressive resistance levels against aggressive chemicals, cleaning agents and spillages across a number of production areas. For areas subject to extreme temperature change or chemical attack, Flowcrete has developed Flowchem VE.

What's more, Industrial flooring range offers everything from textured finishes for slip resistance to UV stability to maintain colour vibrancy. Some ranges are even available in an antistatic grade for the protection of sensitive electronic equipment, resulting in a range of flooring solutions perfect for a variety of heavy duty industrial environments.

range of industrial resin flooring systems are classified by FeRFA resin types. For more information,

Application Suitability



Manufacturing



Aerospace



Automotive



Electronic



Pharmaceutical



Food and Drink Processing

Industrial Flooring Product Selector

	Hygienic Finish	Slip Resistant	Temperature Resistant	Chemical Resistant	Fast Cure	Durable Finish	Antistatic Properties
FeRFA Type 1 - Light Duty Floor & Wall Seal Coats							
Flowseal EPW	✓						✓
Peran WW	✓					✓	✓
FeRFA Type 3 - Medium Duty, High Build Floor Coatings							
Flowcoat SK		✓		✓			
Flowcoat SF41		✓					
Flowcoat LXP		✓					
FeRFA Type 5 - Medium to Heavy Duty, Self-smoothing Floor Finishes							
Flowfresh SL	✓			✓		✓	
Flowshield SL						✓	
Flowshield LXP	✓		✓				
Flowshield LXP HD						✓	
FeRFA Type 6 - Medium to Heavy Duty, Trowel-applied Resin Flooring							
Peran STB		✓				✓	✓
Flowfast Quartz		✓	✓	✓	✓	✓	
FeRFA Type 7 - Heavy Duty, Flowable Flooring							
Flowfresh MF	✓		✓	✓		✓	
FeRFA Type 8 - Very Heavy Duty Resin Flooring							
Flowfresh HF	✓	✓	✓	✓		✓	✓
Flowfresh RT	✓	✓	✓	✓		✓	✓
Mondéco Earth						✓	✓
Mondéco TZ	✓		✓	✓		✓	✓

Contains Polygiene®, a silver-ion based antimicrobial agent for superior hygiene.

Demonstrates superior resistances to sustained high temperatures.

Fast track installation and cure times in order to minimise downtime.

ESD grade available to safely dissipate the build-up of electrostatic charge.

Low slip potential in accordance with OSHA and ADA guidelines.

Excellent resistance to acids, alkalis, fats, oils and other substances.

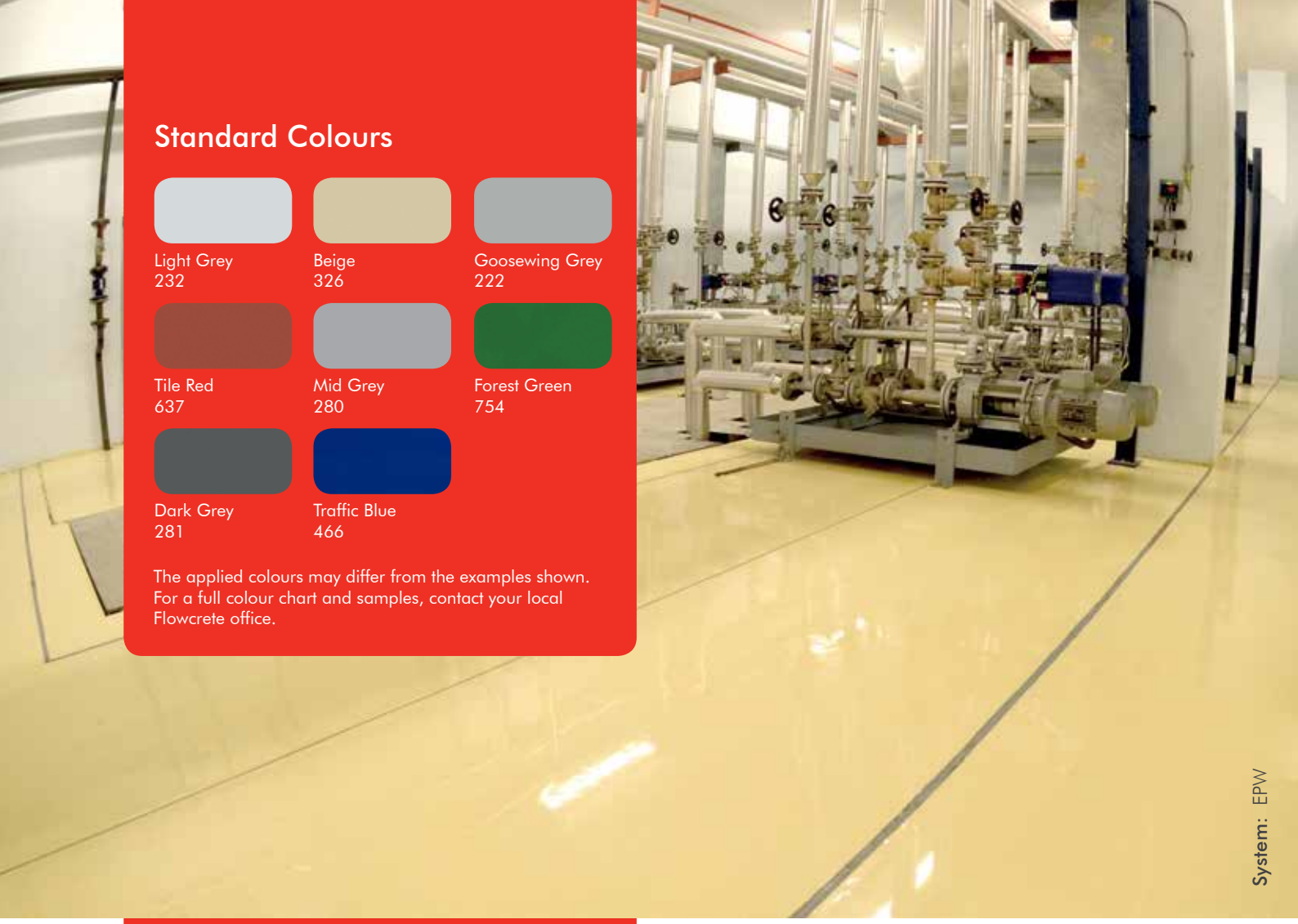
With correct maintenance, offers 10 year life expectancy or greater.

WHERE YOU SEE THIS SYMBOL, AN ESD GRADE IS AVAILABLE

Standard Colours

Light Grey 232	Beige 326	Goosewing Grey 222
Tile Red 637	Mid Grey 280	Forest Green 754
Dark Grey 281	Traffic Blue 466	

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



System: EPW

Light Duty

FeRFA Type: 1

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	6 Nm
BOND STRENGTH	
EN 1542	> 3 N/mm²
WEAR RESISTANCE	
EN ISO 5470-1 Taber Abrader (H22 wheels, 1000 cycles, 1 kg load)	Weight loss <100mg
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
EN 1062-3	0.005 kg/m² × $h^{0.5}$
VAPOUR PERMEABILITY	
ASTM:E96:90	20g / m² / mm / 24hr

seal EPW (0.12 mm)

Flowseal EPW provides a coloured, gloss or matte finish at ground level in areas of light traffic.

The seamless floor sealer is vapour permeable, allowing floors in light processing areas, storerooms and garages to breathe.

- Seamless hygienic finish
- Can be applied to damp substrates
- Solvent free and low odour
- Temperature resistant up to 70°C
- Cost effective solution

Technical Profile

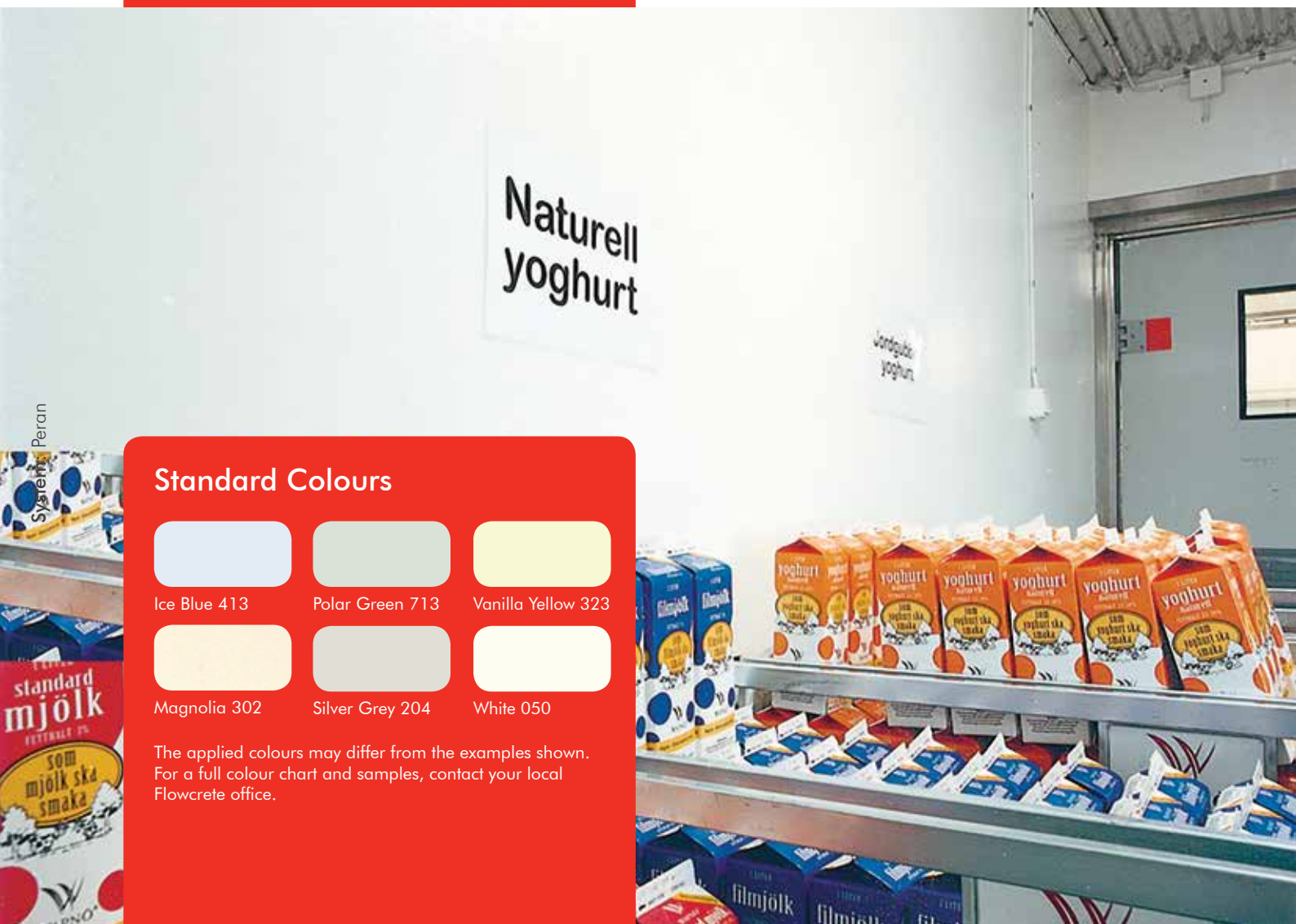
FIRE RESISTANCE	
EN 13501-1	B_{FL} - s1
FIRE SAFETY TO UK BUILDING REGULATIONS 2000	
Complies with the requirements for Class 0.	
ABRASION RESISTANCE	
EN ISO 5470-1 Taber Abrader (H22 wheels, 1000 cycles, 1 kg load)	104mg loss
TEMPERATURE RESISTANCE	
Tolerant up to 70°C	
VAPOUR PERMEABILITY	
ASTM:E96:90	20mg/m²/mm/24hr
SURFACE HARDNESS	
Koenig Hardness Test	182 secs.
ADHESION BY PULL-OFF TEST	
EN 1542	> 3 N/mm²

Peran WW (0.15 mm)

Applied to both walls and ceilings, Peran WW provides a coloured, gloss finish for light duty areas.

Owing to its seamless application, Peran WW contributes to hygiene in food processing areas and kitchens, whilst enhancing the working environment with a smooth, attractive finish.

- Seamless hygienic finish
- Can be applied to damp substrates
- Solvent free and low odour
- Easy application to walls and ceilings



System: Peran

Standard Colours

Ice Blue 413

Polar Green 713

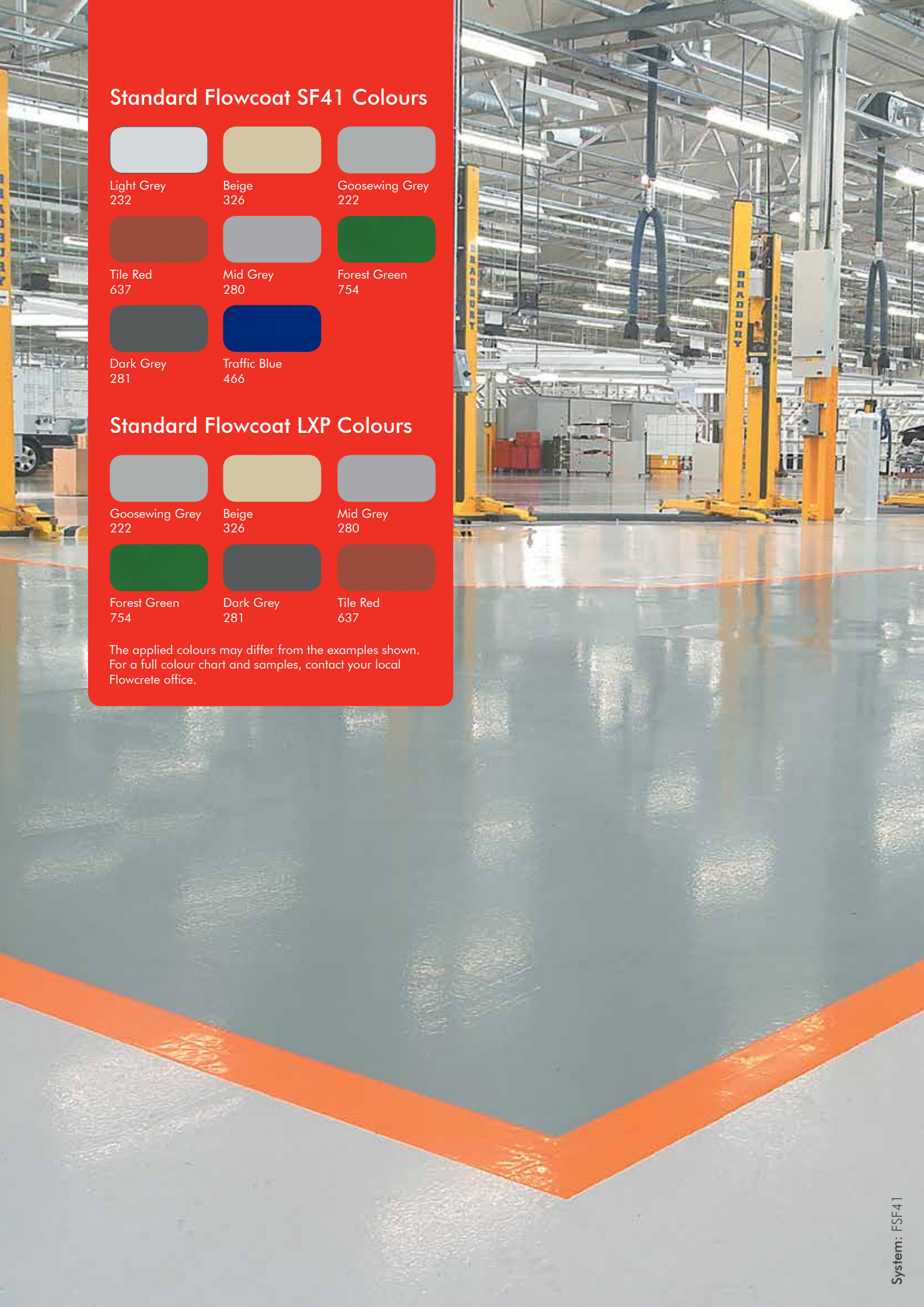
Vanilla Yellow 323

Magnolia 302

Silver Grey 204

White 050

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



Standard Flowcoat SF41 Colours

Light Grey
232

Beige
326

Goosewing Grey
222

Tile Red
637

Mid Grey
280

Forest Green
754

Dark Grey
281

Traffic Blue
466

Standard Flowcoat LXP Colours

Goosewing Grey
222

Beige
326

Mid Grey
280

Forest Green
754

Dark Grey
281

Tile Red
637

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

System: FSF41

coat SF41 (0.35 mm)

A high performance, solvent free, epoxy resin coating that can deliver an anti-slip profile.

coat SF41 is also hard wearing against sustained vehicle traffic, as well as chemical and abrasion resistant. A SKYDROL Aviation Fluid grade is also available as SK.

- Hard wearing and abrasion resistant
- Aesthetically attractive with demarcation
- Solvent free and low odour
- Tailored anti-slip profile

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
BOND STRENGTH	
EN 1542	> 2.5 N/mm²
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity <1cm²
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
EN 1062-3	0.001 kg/m² × $h^{0.5}$
COMPRESSIVE STRENGTH	
EN 13892-2	>80 N/mm²

FeRFA Type: 3 Light Duty

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	13 Nm
BOND STRENGTH	
EN 1542	> 2.0 N/mm²
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
EN 1062-3	0.001 kg/m² × $h^{0.5}$
FLEXURAL STRENGTH	
EN 13892-2	>15 N/mm²
SURFACE HARDNESS	
ASTM D2240	65 (Shore D)

coat LXP (0.7 mm)

coat LXP is a two-pack, solvent free, flexible polyurethane coating applied in a thin layer.

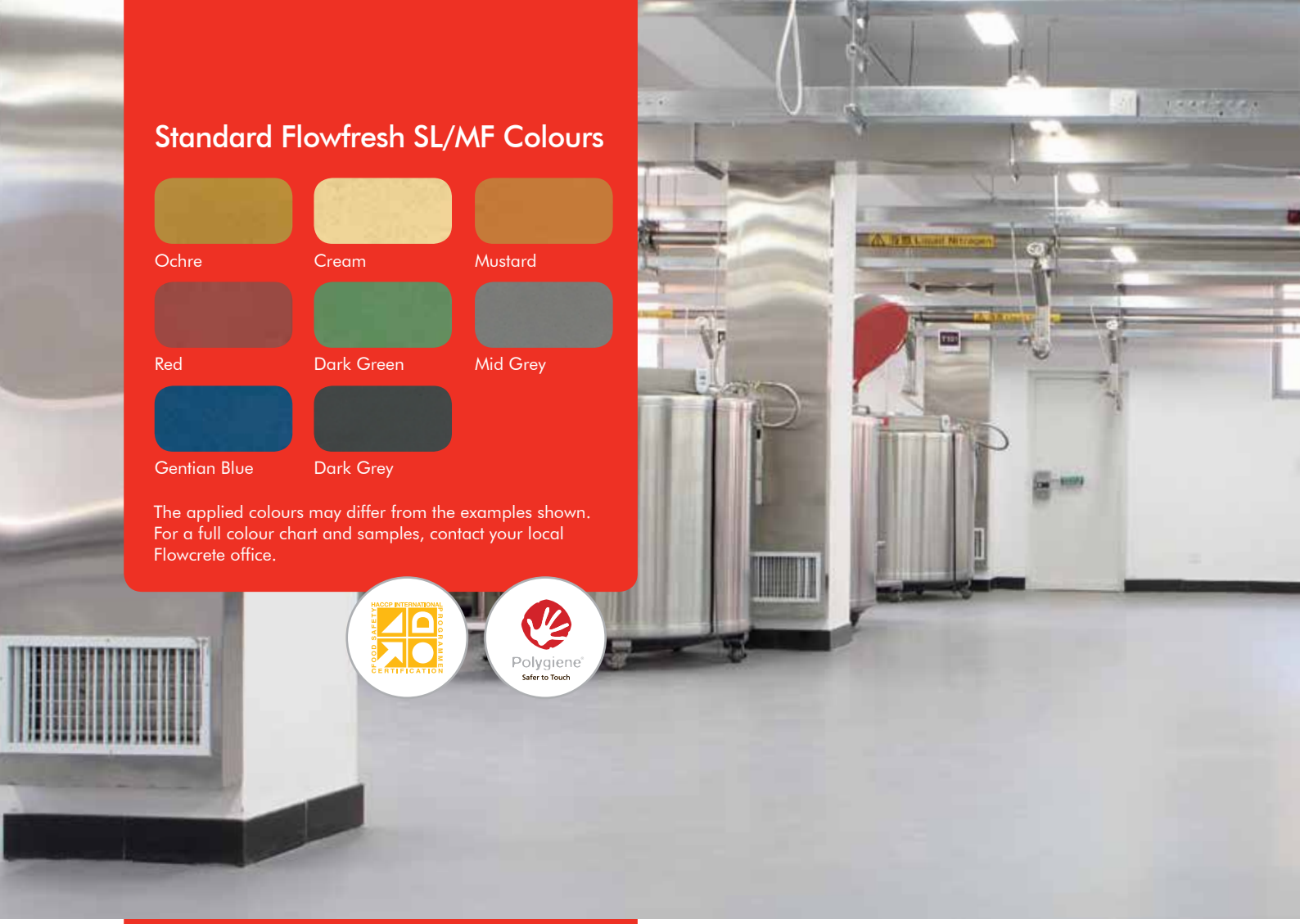
Typically applied in light duty processing, manufacturing and warehousing areas, the seamless system provides a chemical and abrasion resistant solution.

- Flexible coating
- Excellent chemical resistance
- Solvent free and low odour
- Tailored anti-slip profile

Standard Flowfresh SL/MF Colours

Ochre
Cream
Mustard
Red
Dark Green
Mid Grey
Gentian Blue
Dark Grey

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



FeRFA Type: 5 SL / 7 MF Medium Duty

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	15 Nm
TEMPERATURE RESISTANCE	
Intermittent Spills: Up to 60°C (SL) / 70°C (MF) Sustained Heat: -20°C to 50°C (SL) / 60°C (MF)	
BOND STRENGTH	
EN 1542	> 2.5 N/mm²
WEAR RESISTANCE	
EN 13892-8	Abrasion quantity <1cm²
COMPRESSIVE STRENGTH	
EN 13892-2	>50 N/mm² (SL) 55 N/mm² (MF)

fresh SL/MF (2, 4–6 mm)

fresh SL and MF are medium duty chemically resistant, antimicrobial treated polyurethane resin finishes.

The non-tainting, non-dusting surface provides an easy-to-clean surface with impressive durability under traffic and heavy plant machinery.

- Contains Polygiene® for superior hygiene
- Easy to clean and sterilise
- Resistant to a range of chemicals
- Durable and abrasion resistant
- Smooth, matte, coloured finish



Standard shield SL Colours

Light Grey
232

Beige
326

Goosewing Grey
222

Tile Red
637

Mid Grey
280

Forest Green
754

Dark Grey
281

Traffic Blue
466

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

System: Flowshield SL

shield SL (2 mm)

shield SL is a self smoothing resin finish for dry process areas subject to medium to heavy traffic.

The seamless finish provides a durable surface well suited to use in areas subject to foot, trolley and pallet truck and rubber wheeled traffic.

- Seamless, joint-free application
- Hard wearing finish
- Antistatic grade available
- Easy to clean and maintain
- SKYDROL grade available

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	15 Nm
BOND STRENGTH	
EN 13892-8	> 2.5 N/mm²
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity <0.5cm²
COMPRESSIVE STRENGTH	
EN 13892-2	55 N/mm²
SURFACE HARDNESS	
EN 13892-6	>400 N/mm²

FeRFA Type: 5 Medium Duty

FeRFA Type: 5 Medium Duty

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	13 Nm (LXP) 11 Nm (LXP HD)
ELONGATION AT BREAK	
BS 6319	60% (LXP) 30% (LXP HD)
WEAR RESISTANCE	
EN ISO 5470-1 Taber Abrader (H22 wheels, 1000 cycles, 1 kg load)	Weight loss <100mg (LXP)
EN 13892-5	Abrasion quantity <1cm² (LXP HD)
FLEXURAL STRENGTH	
EN 13892-2	>15 N/mm²

Flowshield LXP/LXP HD
(1.5 – 3 mm)

Solvent free, flexible polyurethane toppings typically applied in manufacturing, warehousing and packaging environments.

Flowshield LXP and its heavy duty counterpart deliver superior resistance to traffic and chemicals.

- Resistant to chemicals, sugars and acids
- Easy-to-clean for low maintenance
- Flexible application on various substrates
- Optional anti-slip profile available

Standard Colours

Goosewing Grey 222

Beige 326

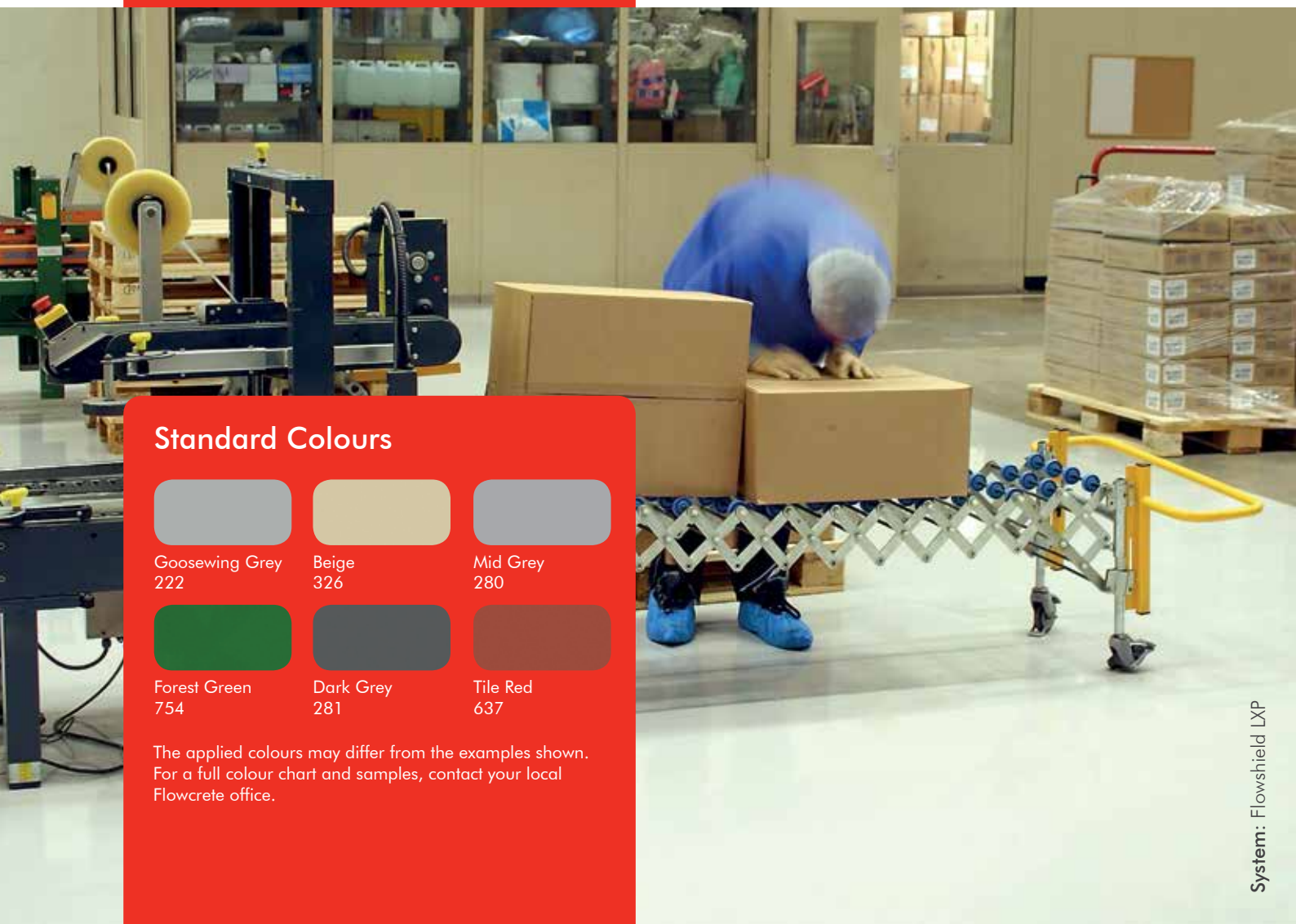
Mid Grey 280

Forest Green 754

Dark Grey 281

Tile Red 637

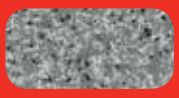
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.



System: Flowshield LXP

Standard Industrial Colours


Red 301


Grey 704


Green 602


Cream 103


Blue 502


Yellow 104

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

System: Peran STB Classic

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	C_{FL} - s1
BOND STRENGTH	
EN 13892-8	> 1.5 N/mm²*
COMPRESSIVE STRENGTH	
EN 6319	>40 N/mm²
FLEXURAL STRENGTH	
EN 6319	15 N/mm²
TENSILE STRENGTH	
EN 6319	10 N/mm²
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)

*Assumes concrete compressive strength is greater than 25 N/mm²

Peran STB (2–5 mm)

Comprising colour stable quartz beads in a clear resin binder, Peran STB delivers an attractive, slip resistant and durable floor finish.

The hard wearing topping is typically applied in wet and dry processing areas where the floor is subject to heavy traffic and chimical spillage.

- Attractive, decorative finish
- Impressive durability
- Scratch, impact and chemical resistance
- Superior slip resistance

FeRFA Type: 6 Medium Duty

Standard Industrial Colours


Red 301


Grey 704


Green 602


Cream 103


Blue 502


Yellow 104

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

System: Flowfast Quartz

FeRFA Type: 6 Medium Duty

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
BOND STRENGTH	
EN 1542	> 2.5 N/mm²
WEAR RESISTANCE	
EN 13892-5	Max wear depth <50µm
COMPRESSIVE STRENGTH	
EN 13892-2	60 N/mm²
FLEXURAL STRENGTH	
EN 13892-2	20 N/mm²
TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 70°C	

fast Quartz (4 mm)

Flowfast Quartz is a methyl methacrylate (MMA), hard wearing, decorative resin floor topping.

Ideally suited to dry and wet process areas subject to heavy traffic, the fast-cure system is designed to enable fast track applications, with full system cure times of as little as two hours.

- Rapid installation and cure times
- Decorative colour stable quartz finish
- Impressive resistance to heavy traffic
- In-built anti-slip profile

fresh HF/RT (6–9 mm)

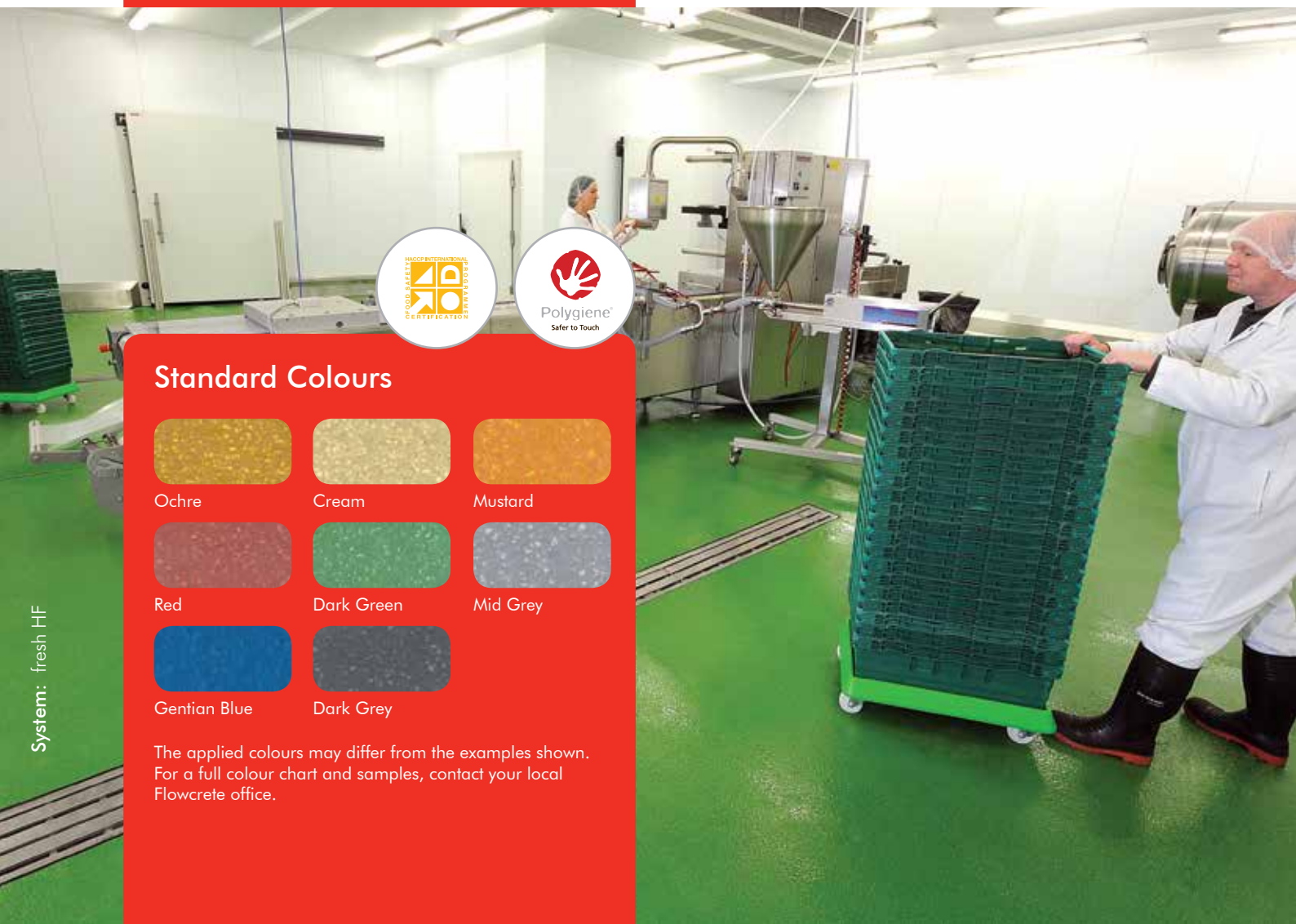
Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	20 Nm (HF), 21 Nm (RT)
TEMPERATURE RESISTANCE	
Intermittent Spills: Up to 120°C Sustained Heat: -40°C to 105°C	
BOND STRENGTH	
EN 13892-8	> 2.5 N/mm²
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity <1cm²
COMPRESSIVE STRENGTH	
EN 13892-2	>50 N/mm²

Hard wearing, low odour, seamless cementitious floor screed with an antimicrobial additive for hygiene sensitive industries.

HF and RT feature a steam-cleanable, finely textured anti-slip profile to ensure safety underfoot, even in wet processing environments.

- Contains Polygiene® for superior hygiene
- Durable to withstand very heavy traffic
- Good alternative to acid resistant tiles
- Superior chemical resistance



Standard Colours

Ochre
Cream
Mustard
Red
Dark Green
Mid Grey
Gentian Blue
Dark Grey

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

Heavy Duty
FeRFA Type: 8

Mondéco Earth (7 mm)

A hygienic, epoxy resin terrazzo comprising granite and flint aggregates for superior strength.

Mondéco Earth has been developed to provide a seamless alternative to terrazzo tiles, with a highly chemical resistant finish and impressive durability underfoot.

- Extremely durable
- Seamless, hygienic finish
- Highly chemical resistant
- Taint-free to sensitive foodstuffs

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	16 Nm
EN BS 8204-1	Cat A (<0.5mm)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
BOND STRENGTH	
EN 13892-8w	> 2.0 N/mm²
WEAR RESISTANCE	
EN 13892-4	Max wear depth <50µm
BS 8204	Performance Class: Special

Heavy Duty
FeRFA Type: 8

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
REACTION TO FIRE	
EN 13501-1	B_{FL} - s1
IMPACT RESISTANCE	
EN ISO 6272	20 Nm
TEMPERATURE RESISTANCE (AT 9MM)	
Intermittent Spills: Up to 120°C Sustained Heat: -40°C to 105°C	
BOND STRENGTH	
EN 13892-8	> 2.0 N/mm²
WEAR RESISTANCE	
EN 13892-4	Max wear depth <50µm
COMPRESSIVE STRENGTH	
EN 13892-2	>55 N/mm²

Mondéco TZ (7 mm)

Mondéco TZ is a highly temperature resistant polyurethane resin terrazzo with an antimicrobial treatment.

The durable floor covering provides excellent thermal shock resistance to allow for steam cleaning, while offering an abrasion, impact and chemical resistant finish.

- Contains Polygiene® for superior hygiene
- Impressive chemical & impact resistance
- Steam cleanable
- Excellent thermal shock resistance



Standard Mondéco Earth Colours

Provence

Coconut

Dusty Grey

Agate Grey

Oyster White

Chilli Pepper

Standard Mondéco TZ Colours

Cream

Mustard

Dark Green

Ochre

Mid Grey

Tile Red

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

System: Mondéco TZ