



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.

A 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



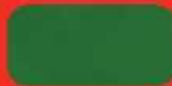
Goosewing Grey
222



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

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/mm ²
---------	-----------------------

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/m ² × h ^{0.5}
-----------	--

VAPOUR PERMEABILITY

ASTM:E96:90	20g / m ² / 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 104mg loss
 Taber Abrader (H22 wheels,
 1000 cycles, 1 kg load)

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



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



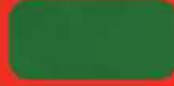
Goosewing Grey
222



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.

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 4-5 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/mm ²
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity < 1cm ³
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
EN 1062-3	0.001 kg/m ² × h ^{0.5}
COMPRESSIVE STRENGTH	
EN 13892-2	>80 N/mm ²

Technical Profile

SLIP RESISTANCE	
BS 7976-2 (typical values for 4-5 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/mm ²
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
EN 1062-3	0.001 kg/m ² × h ^{0.5}
FLEXURAL STRENGTH	
EN 13892-2	>15 N/mm ²
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



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 4-5 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/mm ²
WEAR RESISTANCE	
EN 13892-8	Abrasion quantity <1cm ²
COMPRESSIVE STRENGTH	
EN 13892-2	> 50 N/mm ² (SL) 55 N/mm ² (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/mm ²
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity <0.5cm ²
COMPRESSIVE STRENGTH	
EN 13892-2	55 N/mm ²
SURFACE HARDNESS	
EN 13892-6	> 400 N/mm ²

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

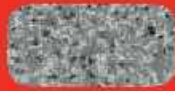
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.



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 _R - s1
------------	---------------------

BOND STRENGTH

EN 13892-8	> 1.5 N/mm ² *
------------	---------------------------

COMPRESSIVE STRENGTH

EN 6319	> 40 N/mm ²
---------	------------------------

FLEXURAL STRENGTH

EN 6319	15 N/mm ²
---------	----------------------

TENSILE STRENGTH

EN 6319	10 N/mm ²
---------	----------------------

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 chemical spillage.



Attractive, decorative finish



Impressive durability



Scratch, impact and chemical resistance



Superior slip resistance



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

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





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/mm ²
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity < 1cm ²
COMPRESSIVE STRENGTH	
EN 13892-2	> 50 N/mm ²

fresh HF/RT (6-9 mm)

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



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

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/mm ²
WEAR RESISTANCE	
EN 13892-4	Max wear depth <50µm
BS 8204	Performance Class: Special

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/mm ²
WEAR RESISTANCE	
EN 13892-4	Max wear depth <50µm
COMPRESSIVE STRENGTH	
EN 13892-2	>55 N/mm ²

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



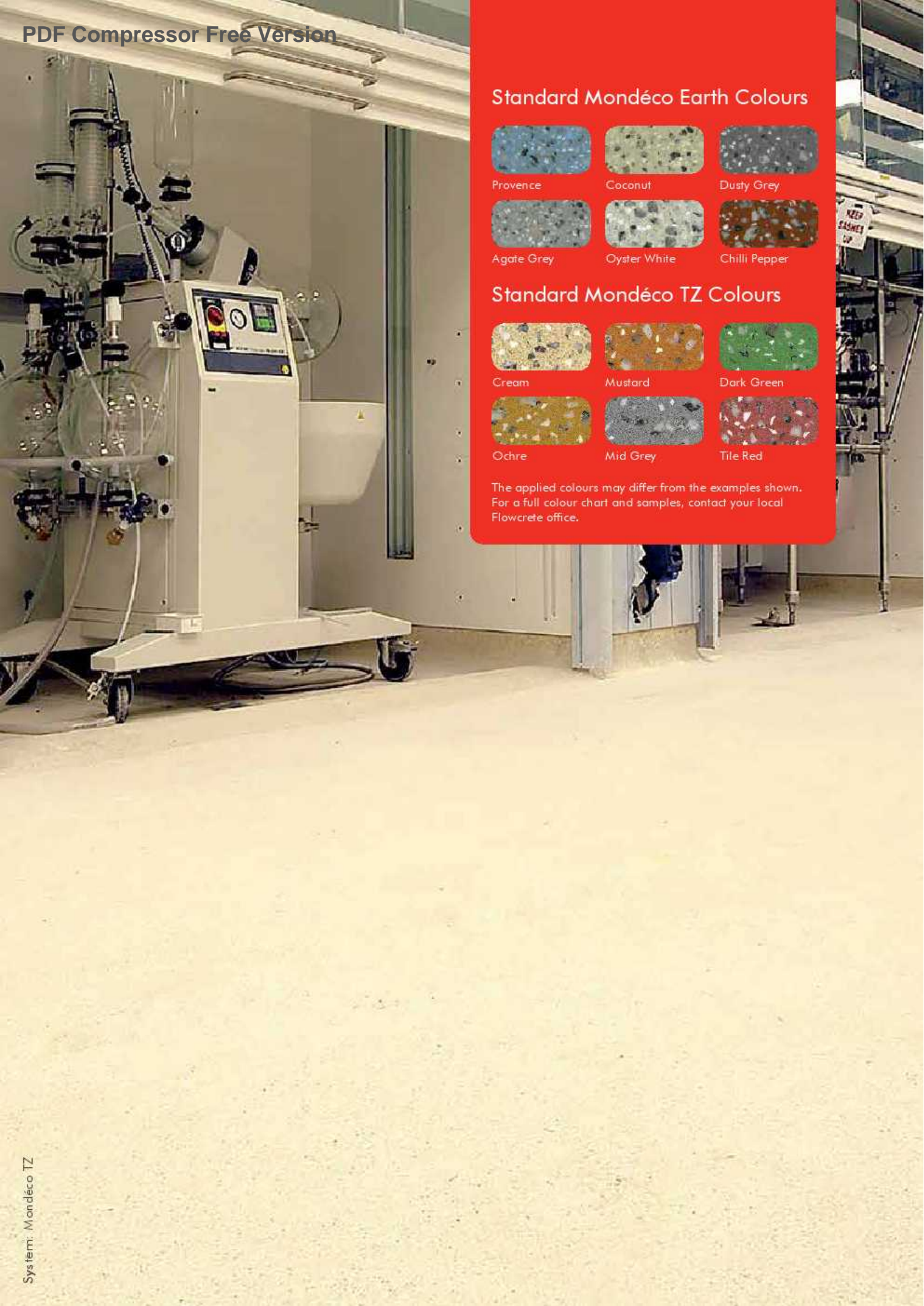
Impressive chemical & impact resistance



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.

