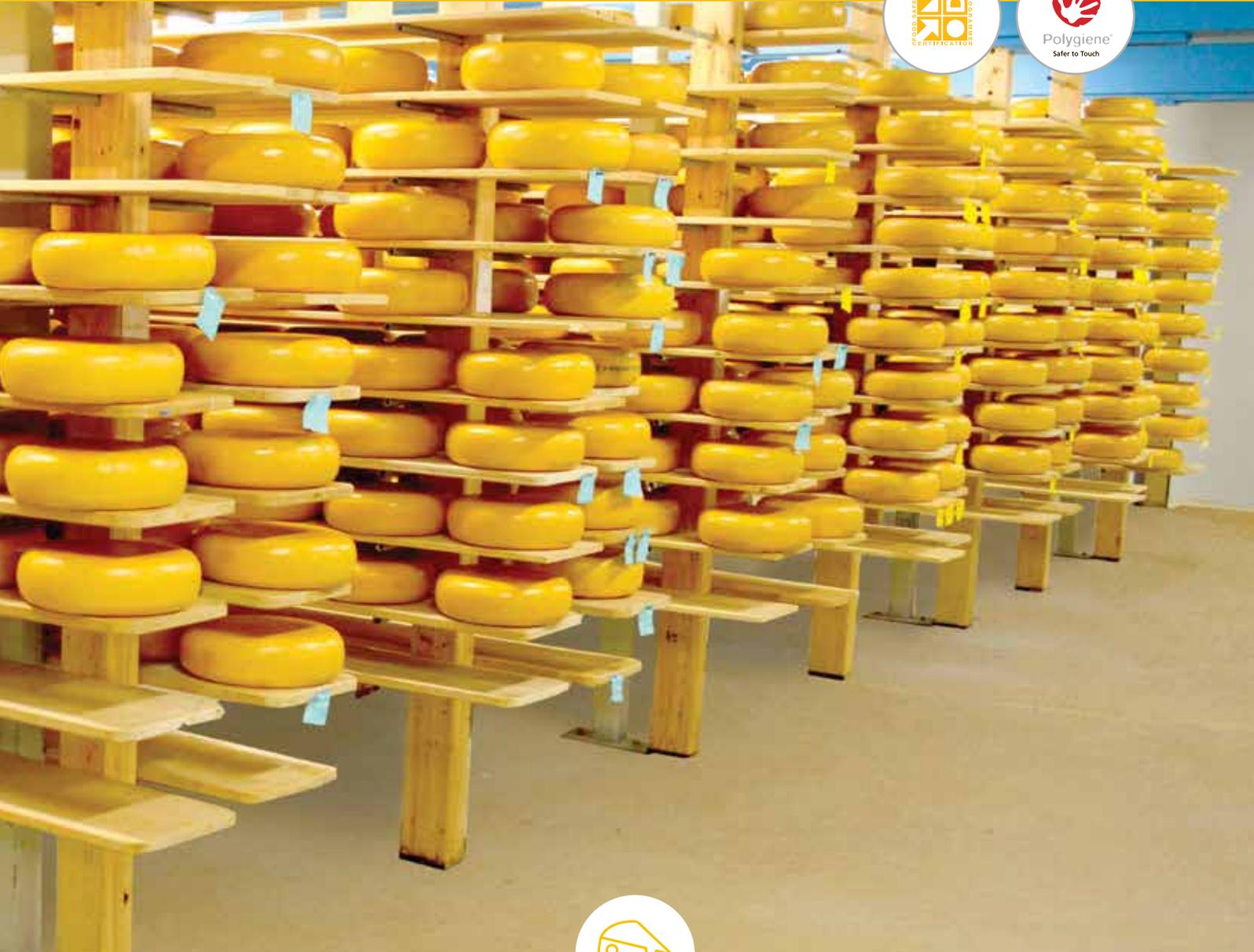


# Flowcrete

for the world at your feet



A complete package of specialty resin and antimicrobial treated floor coating systems for...

## DAIRY & CHEESE PLANTS

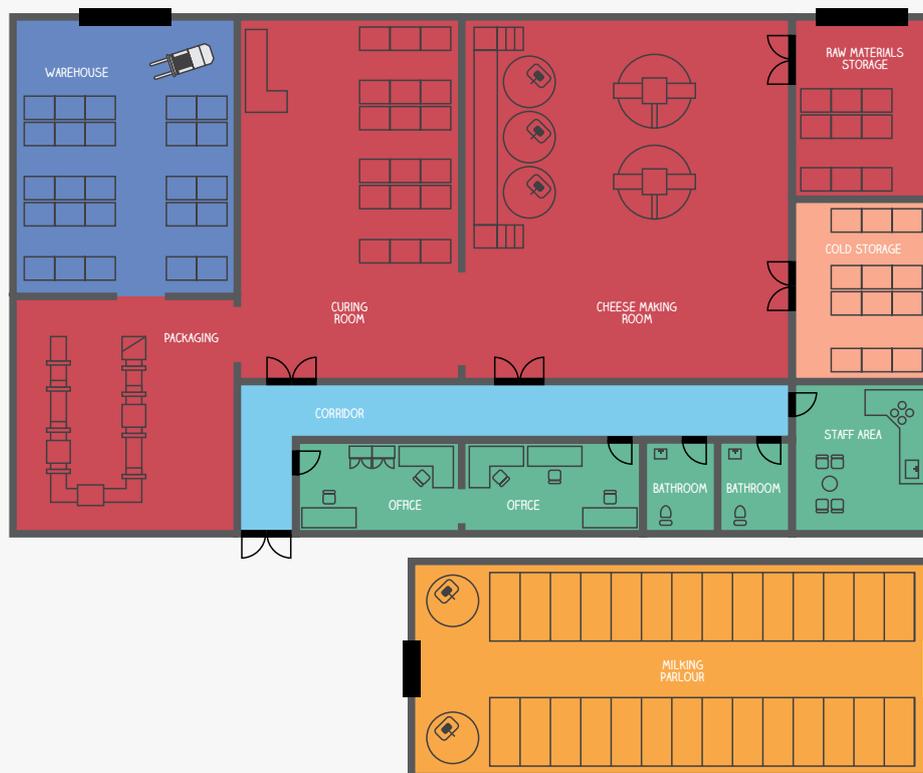
# Welcome to Flowcrete UK

Like most wet processing facilities, dairy and cheese plants can prove a challenging environment for unprotected concrete. Protective floor coating systems must offer sufficient chemical resistance to corrosive dairy fats, lactic acids and proteins as well as provide an anti-slip, easily cleaned and de-greased surface.

In addition, floors found in dairy and cheese processing facilities are subject to heavy forklift and pallet truck traffic as well as thermal shock conditions resulting from pressurised steam cleaning - both of which can lead to mechanical damage.

Flowcrete UK offers a complete package of specialty resin and antimicrobial treated floor coating systems designed to cater for all areas within dairy and cheese processing facilities.

## Dairy Plant Floor Plan



- |   |  |   |
|---|--|---|
|  Deckshield ID |  Flowfresh MF/SR* |  Flowcoat SF41                         |
|  Flowfresh HF  |  Flowfresh RT     |  Flowfast Quartz/Classic for Wet Areas |

✓ For the application suitability of each system, look out for the check mark symbol throughout the brochure.



## Polygiene® Antimicrobial Effectiveness



Salmonella Typhi	✓
MRSA	✓
Enterococcus Faecalis	✓
E-coli	✓
Staphylococcus Aureus	✓
Listeria	✓
Streptococcus Pyogenes	✓
C.difficile	✓
Pseudomonas Aeruginosa	✓
Proteus Vulgaris	✓
Campila Bacta	✓



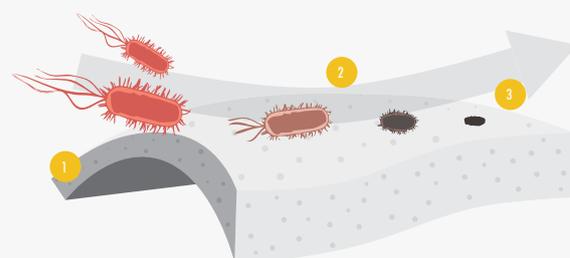
## HACCP International Certified Hygienic Flooring

Dairy and cheese plant floors are subject to spillage from water, milk, brine and whey. As such, they can present a slip and hygiene risk.

Resin flooring systems ensure a non-porous, smooth and seamless surface where there is nowhere for bacteria or mold spores to grow.

Flowcrete UK's HACCP International and ISO 22196 certified cementitious urethane flooring materials offer enhanced protection with the inclusion of Polygiene®, a silver-ion antimicrobial agent, designed to protect the surface from degradation caused by microbial growth.

### How Does Polygiene® Work?



- 1 The silver ions are distributed throughout the floor.
- 2 The silver ions migrate to the surface.
- 3 They inhibit bacteria growth by penetrating the cell membrane.

## Flowfresh MF (4–6 mm)

Flowfresh MF is a heavy duty, chemical resistant antimicrobial treated polyurethane resin floor finish. Best suited to dry processing zones subject to heavy duty wheeled traffic these trowel applied systems deliver an attractive smooth matt coloured floor finish.

PACKAGING, CURING ROOMS, CHEESE MAKING ROOMS, RAW MATERIALS STORAGE

### Standard Colours



Cream



Ochre



Red



Mustard



Mid Grey



Dark Green



Gentian Blue



Dark Grey



### TEMPERATURE RESISTANCE

Tolerant to intermittent spillages up to 70°C or sustained heat from -20°C to 60°C

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### SLIP RESISTANCE

BS 7976-2

Dry >40



\*Flowfresh SR is available for slip resistance.

Please contact your local Flowcrete representative for further information. A full technical profile is available at [www.flowcrete.co.uk](http://www.flowcrete.co.uk)



## Flowfresh HF (6–9 mm)

Flowfresh HF is a trowel applied, heavy-duty and wear resistant antimicrobial treated polyurethane resin floor screed. Flowfresh HF provides a durable, anti-slip finish, which is resistant to thermal shock, steam cleaning and moisture vapour transmission.

COLD STORAGE

### Standard Colours



Cream



Ochre



Red



Mustard



Dark Green



Mid Grey



Dark Grey



Gentian Blue

### TEMPERATURE RESISTANCE

Tolerant to intermittent spillages up to 120°C or sustained dry heat from -40°C to 105°C (at 9 mm thickness)

### COEFFICIENT OF THERMAL EXPANSION

ASTM C531

$3.74 \times 10^{-5}$  mm/mm°C

### SLIP RESISTANCE

BS 7976-2

Dry >40

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



Flowfresh contains an antimicrobial additive to reduce the build up of bacteria, and is suitable for daily washdowns and regular cleaning.

## Flowfresh RT (6–9 mm)

Flowfresh RT is a slip-resistant, polyurethane screed for use in wet areas subject to high volumes of traffic. Best suited to wet processing zones where it is subject to high volumes of foot and wheeled traffic, this trowel applied system delivers a seamless joint-free matt finish.

MILKING PARLOURS

### Standard Colours



TEMPERATURE RESISTANCE	
Tolerant to intermittent spillages up to 120°C or sustained dry heat from -40°C to 105°C (at 9 mm thickness)	
IMPACT RESISTANCE	
EN ISO 6272	21 Nm
SLIP RESISTANCE	
BS 7976-2	Dry >40

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

Ask us about our range of wall coatings that contribute to a hygienic barrier throughout your facility.



## Flowfast Quartz & Classic for Wet Areas (4 mm)

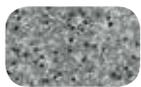
Durable, fast curing MMA resin floor toppings made from decorative quartz granules in a clear resin binder. Delivers a slip and chemical resistant finish suited to environments subject to heavy foot traffic and aggressive cleaning agents.

✓ OFFICES, BATHROOMS, STAFF AREAS

### Standard Industrial Colours



Red 301



Grey 704



Green 602



Cream 103



Blue 502



Yellow 104



#### TEMPERATURE RESISTANCE

Tolerant up to 70°C

#### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

#### SLIP RESISTANCE

BS 7976-2

Dry >40

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

## Flowcoat SF41 (0.35 mm)

A high performance, solvent free, epoxy resin coating that can deliver an anti-slip profile by inclusion of graded aggregate between coats. Flowcoat SF41 is also hard wearing against sustained vehicle traffic, as well as chemical and abrasion resistant.

✓ CORRIDORS

### 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



#### SLIP RESISTANCE

BS 7976-2 Dry >40

#### IMPACT RESISTANCE

EN ISO 6272 10 Nm

#### BOND STRENGTH

EN 1542 > 2.5 N/mm<sup>2</sup>



## Deckshield ID (2-3 mm)

Deckshield ID is a flexible, solvent free polyurethane car park deck coating system for intermediate decks of multi storey structures. Deckshield ID cosmetically enhances and reduces noise, making multi storey car parks brighter, safer environments to visit.

✓ WAREHOUSES

### Standard Colours



Forest Green



Mid Grey



Dark Grey



Tile Red



Traffic Purple



Traffic Blue

#### TEMPERATURE RESISTANCE

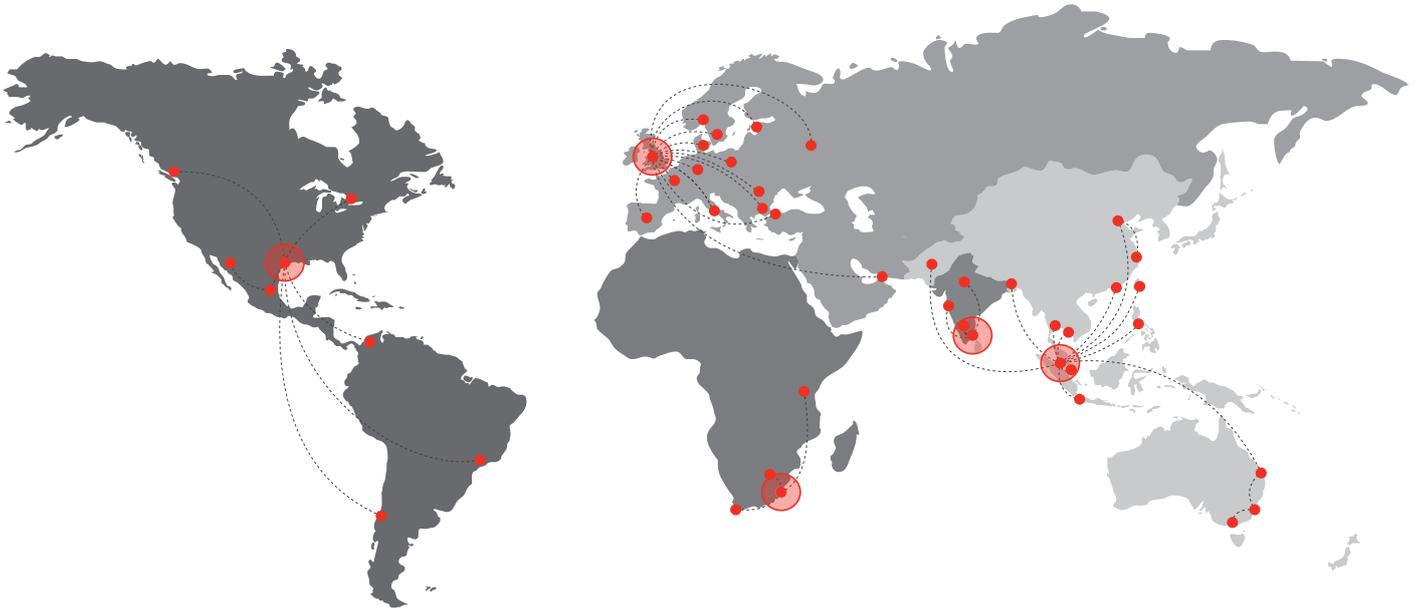
Softens over 70°C, hardens on cooling

#### IMPACT RESISTANCE

EN ISO 6272-1 Class II: ≥10 Nm

#### ABRASION RESISTANCE

EN ISO 5470-1 Weight loss <3000mg using H22 wheel, 1000 cycles, load 1000g



## Flowcrete

World leader in seamless resin flooring solutions and other specialist coatings.

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