

Specialty Polymer Flooring Systems for:

# BAKERIES

- Bakery Areas & Kitchens
- Warehousing & Packaging
- Locker Rooms & Storage Areas
- Offices & Restrooms



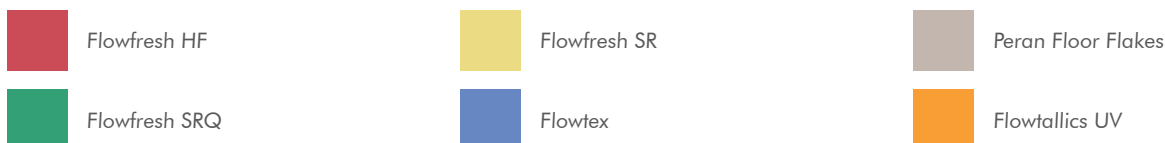
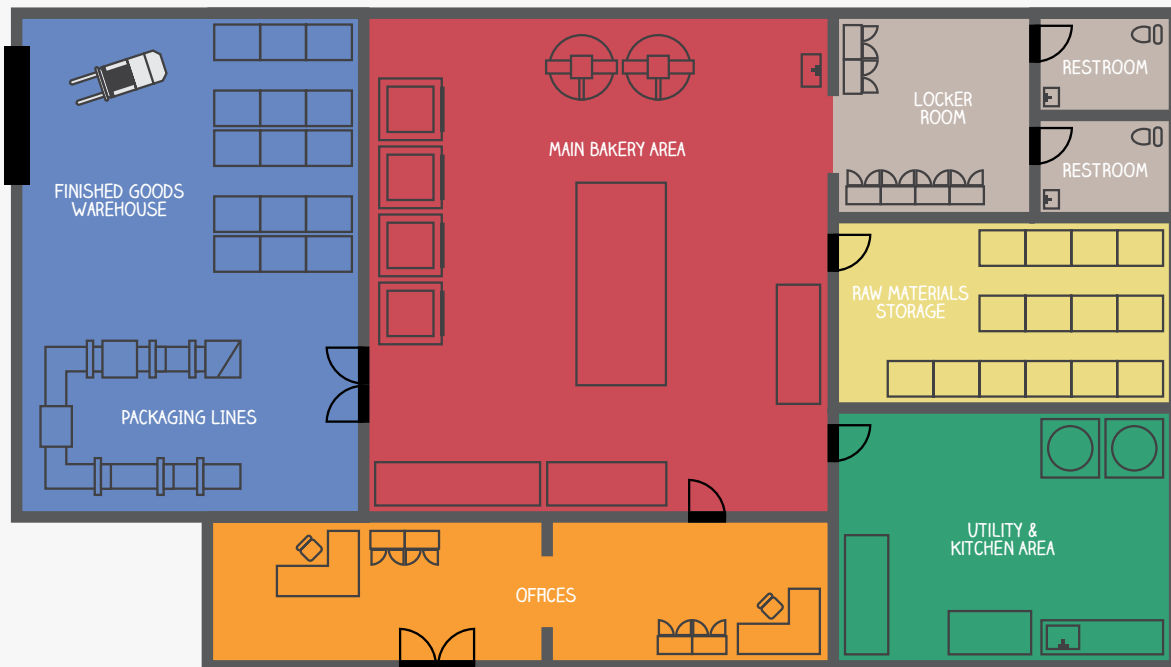
# Welcome to FlowResin

Commercial bakeries include a diverse range of process areas including proofing rooms, hot oven racks, dry storage areas, production and packaging lines as well as staff gowning and locker rooms, all of which can be subject to wet conditions, extreme temperature swings, heavy loads and exposure to corrosive ingredients.

As such, each area of the commercial bakery requires protective floor coating systems that meet strict hygiene and safety protocols in line with USDA/FDA regulations and HACCP principles as well as the individual performance characteristics needed to withstand their unique service conditions.

FlowResin offers a complete package of specialty polymer and antimicrobial treated floor coating systems designed to cater for all areas within commercial bakeries.

## Commercial Bakery Floor Plan



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



## Polygiene® Antimicrobial Effectiveness



|                        |      |
|------------------------|------|
| Salmonella Typhi       | 100% |
| MRSA                   | 100% |
| Enterococcus Faecalis  | 100% |
| E-coli                 | 100% |
| Staphylococcus Aureus  | 100% |
| Listeria               | 100% |
| Streptococcus Pyogenes | 100% |
| C.difficile            | 100% |
| Pseudomonas Aeruginosa | 100% |
| Proteus Vulgaris       | 100% |
| Campila Bacta          | 100% |

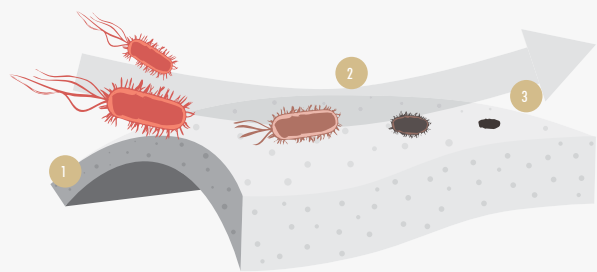
## HACCP International Certified Hygienic Flooring

Commercial bakeries can present a slip/fall and hygiene risk when subject to punishing daily processing operations and must meet stringent sanitation standards.

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

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

### How Does Polygiene® Work?



- 1 The silver ions are homogeneously distributed throughout the floor.
- 2 The silver ions migrate to the surface.
- 3 They protect the surface from degradation caused by microbial growth.

# Flowfresh HF (1/4" - 3/8")

A trowel-applied, heavy-duty and HACCP International certified antimicrobial treated cementitious urethane mortar. Flowfresh HF provides a durable, anti-slip finish, which is resistant to thermal shock, steam cleaning and moisture vapor transmission.

✓ MAIN BAKERY AREA

## Standard Colors:



### TEMPERATURE RESISTANCE:

|                      |       |
|----------------------|-------|
| Continuous Exposure: | 220°F |
| Intermittent Spills: | 250°F |

### COEFFICIENT OF THERMAL EXPANSION:

|            |                                 |
|------------|---------------------------------|
| ASTM C 531 | 1.1 x 10 <sup>-5</sup> in/in/°F |
|------------|---------------------------------|

### ABRASION RESISTANCE:

|                                       |             |
|---------------------------------------|-------------|
| ASTM D 4060, CS17 Wheel, 1,000 Cycles | 0.05 g loss |
|---------------------------------------|-------------|

\*General wear on Safety Yellow may be more visible.



# Flowfresh SR (1/4" - 5/16")

A slurry-broadcast and HACCP International certified antimicrobial treated cementitious urethane floor system. Flowfresh SR provides a positively textured and vibrantly colored floor finish, which is resistant to thermal shock and moisture vapor transmission.

✓ RAW MATERIALS STORAGE

## Standard Colors:



### TEMPERATURE RESISTANCE:

|                      |       |
|----------------------|-------|
| Continuous Exposure: | 200°F |
| Intermittent Spills: | 250°F |

### COEFFICIENT OF THERMAL EXPANSION:

|            |                                 |
|------------|---------------------------------|
| ASTM C 531 | 1.5 x 10 <sup>-5</sup> in/in/°F |
|------------|---------------------------------|

### ABRASION RESISTANCE:

|                                       |             |
|---------------------------------------|-------------|
| ASTM D 4060, CS17 Wheel, 1,000 Cycles | 0.05 g loss |
|---------------------------------------|-------------|

\*General wear on Safety Yellow may be more visible.

The applied colors may differ from the examples shown. For a full technical profile, color chart and samples, contact your local FlowResin office.





Flowfresh materials contain Polygiene®, a silver ion antimicrobial additive designed to offer enhanced hygiene underfoot.

## Flowfresh SRQ (1/4" - 5/16")

A slurry-broadcast and HACCP International certified antimicrobial treated cementitious urethane floor system. Flowfresh SRQ provides a positively textured and vibrantly colored floor finish, which is resistant to thermal shock and moisture vapor transmission.

✓ UTILITY & KITCHEN AREAS

### Standard Colors:



Spring Glen



Grey Mist



Rococo



Blueberry Ice



Kitchen Red



Shell



#### TEMPERATURE RESISTANCE\*:

|                      |       |
|----------------------|-------|
| Continuous Exposure: | 180°F |
| Intermittent Spills: | 210°F |

#### COEFFICIENT OF THERMAL EXPANSION:

|            |                               |
|------------|-------------------------------|
| ASTM C 531 | $1.5 \times 10^{-5}$ in/in/°F |
|------------|-------------------------------|

#### ABRASION RESISTANCE:

|                                       |             |
|---------------------------------------|-------------|
| ASTM D 4060, CS17 Wheel, 1,000 Cycles | 0.05 g loss |
|---------------------------------------|-------------|

\*Temperature resistance values shown apply when using Flowcoat CR as the topcoat.



FlowResin materials offer a seamless, smooth finish that is easily cleaned and does not allow the collection of dust in compliance HACCP.

## Flowtex (3/16" - 1/4")

A trowel applied epoxy floor mortar, with excellent durability, abrasion resistance and ease of application. Flowtex offers excellent abrasion, wear, scratch and chemical resistance to deliver a robust surface for use in heavy-duty processing environments.

✓ FINISHED GOODS WAREHOUSE, PACKAGING LINES

### Standard Colors:



#### TEMPERATURE RESISTANCE:

|                      |       |
|----------------------|-------|
| Continuous Exposure: | 140°F |
| Intermittent Spills: | 200°F |

#### FLEXURAL MODULES OF ELASTICITY:

|            |                            |
|------------|----------------------------|
| ASTM D 790 | 2.01 x 10 <sup>6</sup> psi |
|------------|----------------------------|

#### SLIP RESISTANCE:

|   |  |
|---|--|
| PTV BS 7976-2<br>(Using TRRL Rubber Slider) | Dry: 70<br>Wet: Dependent on specification |
|---|--|

The applied colors may differ from the examples shown. For a full technical profile, color chart and samples, contact your local FlowResin office.



## Peran Floor Flakes (60 - 80 mils)

A seamless, glossy and chemical resistant decorative flooring system available in a range of flake finishes. Peran Floor Flakes is suited to use in changing rooms and back-of-house office and administrative areas, where it combines strength and wear resistance with an eye-catching finish.

✓ LOCKER ROOMS, RESTROOMS

### Standard Colors:



Domino



Cobblestone



Quicksilver



Scarlet



Dessert Tan



Ice Blue



Green Bay



Midnight



#### TEMPERATURE RESISTANCE:

|                      |             |
|----------------------|-------------|
| Continuous Exposure: | Up to 140°F |
|----------------------|-------------|

#### SLIP RESISTANCE:

|   |                    |
|---|--------------------|
| PTV BS 7976-2<br>(Using TRRL Rubber Slider) | Dry: 56<br>Wet: 23 |
|---|--------------------|

#### ABRASION RESISTANCE:

|  |             |
|--|-------------|
| ASTM D 4060, CS17<br>Wheel, 1,000 Cycles | 0.035g loss |
|--|-------------|



## Flowtallics UV (30 - 35 mils)

A decorative, hard wearing and UV stable system delivering a unique hand-crafted swirled metallic finish. Flowtallics UV is a highly decorative and UV-stable flooring solution that has been developed for use in public settings subject to heavy levels of foot traffic looking to impress visitors underfoot.

✓ OFFICES

### Standard Colors:



Cosmo



Grey Goose



Latte



Coffee



Merlot



Sangria



Mojito



Blue Lagoon

#### TEMPERATURE RESISTANCE:

|                      |             |
|----------------------|-------------|
| Continuous Exposure: | Up to 165°F |
|----------------------|-------------|

#### SLIP RESISTANCE:

|   |  |
|---|--|
| PTV BS 7976-2<br>(Using TRRL Rubber Slider) | Dry 80<br>Wet (dependent on specification) |
|---|--|

#### ABRASION RESISTANCE:

|  |             |
|--|-------------|
| ASTM D 4060, CS17<br>Wheel, 1,000 Cycles | 0.040g loss |
|--|-------------|

# FlowResin

for the world at your feet™

An industry leader in seamless resin flooring, FlowResin provides much more than just a surface to walk on. Clients choose our seamless resin flooring systems for their appearance and wide array of performance advantages:

- ✓ Antimicrobial
- ✓ Anti-static
- ✓ Chemical Resistant
- ✓ Corrosion Protection
- ✓ Easily Cleaned Surface
- ✓ Fast Cure
- ✓ Impact Resistance
- ✓ Low Odor
- ✓ Low Temperature
- ✓ Moisture Tolerant
- ✓ Slip Resistant
- ✓ Stain Resistant
- ✓ Thermal Shock Resistant
- ✓ Wear Resistant

Key Resin Company manufactures FlowResin commercial and industrial systems in Batavia, Ohio and Phoenix, Arizona with convenient warehouse locations throughout the country. We proudly serve expanding business opportunities across the continent including the USA, Canada, Latin America and the Caribbean.

Let's talk about your next project and the best solution for 'the world at your feet'



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