

Specialty Polymer Flooring Systems for:

## BREWERIES

- Brewing & Bottling Areas
- Warehouses & Distribution
- Tasting Rooms & Kitchens
- Offices & Service Areas



# Welcome to FlowResin

Chances are the next time you visit your local watering hole you'll encounter specialty polymer flooring systems throughout the facility rather than the typical tile or ceramic finishes traditionally found in these environments.

You'll find these systems not only behind the scenes, where the ale is brewing and being bottled, but also in tasting rooms where it is being enjoyed. Polymer flooring systems are being used more often in these environments owing to their excellent performance attributes combined with design versatility.

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

## Brewery Floor Plan



- |  |  |   |  |
|--|--|---|--|
|  Flowfresh HF |  Flowfresh IF |  Flowfast Quartz |  Flowtallics UV       |
|  Flowfresh HF |  Flowfresh SR |  Flowfast Flakes |  Deckshield Rapide ID |

 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	✓

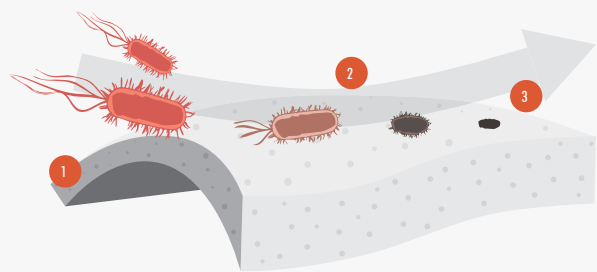
## HACCP International Certified Hygienic Flooring

Brewery floors are subject to frequent spills and staining as well as heavy loads and foot traffic. Caustic chemicals, thermal shock, slip resistance and hygiene are also a concern.

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 / IF\*

(1/4" - 3/8" | 3/8" - 1/2")

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

BREWERIES, COVERED LOADING BAYS

## Standard Colors:



### TEMPERATURE RESISTANCE:

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

### COEFFICIENT OF THERMAL EXPANSION:

ASTM C531	1.1 x 10 <sup>-5</sup> in/in/°F
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### ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05g loss
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\*Flowfresh IF contains iron fibres for enhanced strength.  
\*\*General wear on Safety Yellow may be more visible.

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

A slurry-broadcast, anti-slip and durable antimicrobial treated cementitious urethane flooring system. The non-toxic, low-odor system provides a positively textured and vibrantly colored floor finish, which is resistant to thermal shock and moisture vapor transmission.

KITCHENS

## Standard Colors:



### TEMPERATURE RESISTANCE: \*

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

### COEFFICIENT OF THERMAL EXPANSION:

ASTM C531	1.5 x 10 <sup>-5</sup> in/in/°F
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### ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05g loss
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\*Temperature resistance values shown apply when using Flowfresh FC as the topcoat.  
\*\*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 Key Resin Company office.



Flowfresh's cementitious flooring materials can be sloped towards drains and curbed to prevent liquid overflow and the pooling of water.

## Deckshield Rapide ID (60 mils)

A hard wearing, pigmented and fast-curing MMA flooring system that can be broadcast with graded aggregates to provide additional traction underfoot. Deckshield Rapide ID is ideal for use in warehousing and distribution centers subject to frequent foot, forklift and rubber wheeled traffic.

DISTRIBUTION CENTERS

### Standard Colors:

100 Light Gray	135 Medium Gray	170 Dark Gray	185 Charcoal
210 White Sand	300 Taupe	435 Tan	440 Khaki
480 Beige	550 Green*	600 Slate Blue	650 Light Blue
750 Blue*	980 Red	850 Traffic Yellow*	950 Traffic Red*
White	Black		



#### SLIP RESISTANCE:

PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry 80 Wet 60** (with slip resistant profile)
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#### IMPACT RESISTANCE:

ISO 6272	2.2lb weight > 70 in 4.4lb weight > 59 in
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#### ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.080g loss
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\*Non-inventory colors, \*\* Typical value is dependant on aggregate used.



Ensure a decorative yet durable surface in tasting rooms, lobbies and visitor areas with attractive flake, quartz or metallic finishes.

## Flowfast Quartz (160 mils)

A robust, wear resistant and fast cure MMA flooring system with a decorative broadcast quartz finish. Flowfast Quartz consists of durable quartz in clear resin and delivers a fully trafficable surface just 60 minutes from application.

BAR AREAS

### Standard Colors:



Grey Mist



Rococo



Shell



Spring Glen



Kitchen Red



Blueberry Ice



Traffic ready in 60 mins

#### TEMPERATURE RESISTANCE:

Continuous Exposure: Up to 160°F

#### SLIP RESISTANCE:

BS 7976-2      Dry: 80  
Wet: 60

#### ABRASION RESISTANCE:

ASTM D 4060, CS17      0.080g loss  
Wheel, 1,000 Cycles

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



## Flowfast Flakes (120 mils)

An eye-catching, wear resistant and fast cure MMA flooring system with a decorative flake finish. Flowfast Flakes consists of vibrant vinyl flakes in clear resin and delivers a fully trafficable surface just 60 minutes from application.

BATHROOMS, OFFICES, LOBBIES

### Standard Colors:



Domino



Cobblestone



Quicksilver



Scarlet



Desert Tan



Ice Blue



Green Bay



Midnight

#### TEMPERATURE RESISTANCE:

Continuous Exposure: Up to 160°F

#### SLIP RESISTANCE (WITH ALUMINIUM OXIDE):

BS 7976-2  
Dry: 63  
Wet: 56

#### ABRASION RESISTANCE:

ASTM D 4060, CS17  
Wheel, 1,000 Cycles  
0.085g 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.

TASTING ROOMS

### 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  
(Using TRRL Rubber Slider)  
Dry 80  
Wet (dependent on specification)

#### ABRASION RESISTANCE:

ASTM D 4060, CS17  
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
- ✓ Chemical Resistant
- ✓ Easily Cleaned Surface
- ✓ Impact Resistance
- ✓ Low Temperature
- ✓ Slip Resistant
- ✓ Thermal Shock Resistant
- ✓ Anti-static
- ✓ Corrosion Protection
- ✓ Fast Cure
- ✓ Low Odor
- ✓ Moisture Tolerant
- ✓ Stain 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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