

Specialty Polymer Flooring Systems for: MEAT & POULTRY PROCESSING FACILITIES

- Slaughter & Process Areas
- Assembly Lines & Packaging
- Storage Areas & Loading Bays
- Offices & Restrooms



Welcome to FlowResin





In North America, meat and poultry processing facilities are legally mandated by the USDA, FDA and CFIA to implement food safety management systems based on HACCP principles and hazard prevention. As such, hygiene and safety are the top priority so as to avert the risk of foodborne illness resulting from contaminated meat and fish products.

On top of this, meat and poultry plants are exposed to aggressive cleaning methods and contaminants including blood, grease and oil. These areas require tough floor coatings with added hygiene protection and a high grade texture to prevent slip/fall accidents when surfaces are wet.

FlowResin offers a complete package of specialty polymer and antimicrobial treated floor coating systems designed to cater for all areas within meat & poultry processing facilities.

Meat & Poultry Processing Facilities



	Flowfresh HF		Flowfresh SL		Flowfast Industrial
	Flowfresh SR		Flowtex		Flowfast Flakes

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	✓

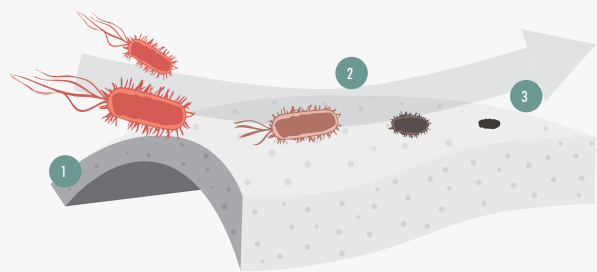
HACCP International Certified Hygienic Flooring

Hygienic, easily cleaned and slip-resistant flooring is a crucial aspect of any meat or poultry plant operating a food safety management system based on hazard prevention.

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 from degradation 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.

PROCESSING, PACKAGING, FREEZERS & COOKING AREAS

Standard Colors:



TEMPERATURE RESISTANCE:

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

COEFFICIENT OF THERMAL EXPANSION:

ASTM C 531	1.1 x 10 ⁻⁵ in/in/°F
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ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05 g loss
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*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.

SLAUGHTER AREAS

Standard Colors:



TEMPERATURE RESISTANCE*:

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

COEFFICIENT OF THERMAL EXPANSION:

ASTM C 531	1.5 x 10 ⁻⁵ in/in/°F
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ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05 g loss
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*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.



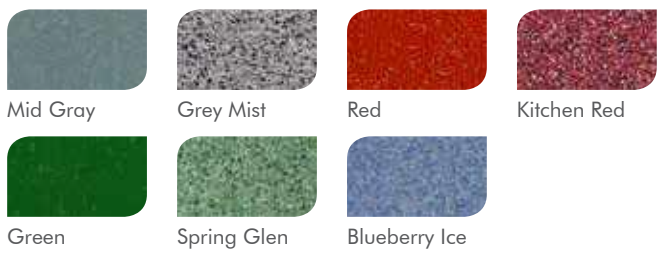
Flowfresh materials contain Polygiene®, a silver ion antimicrobial additive designed to offer enhanced hygiene underfoot.

Flowfresh SL (1/8" - 3/16")

A slurry-broadcast, cost effective and HACCP International certified antimicrobial treated cementitious urethane floor system. Flowfresh SL provides an excellent alternative to traditional epoxy floor screeds with enhanced durability and anti-slip properties.

✓ CORRIDORS

Standard Colors:



TEMPERATURE RESISTANCE:	
Continuous Exposure:	180°F
Intermittent Spills:	220°F
COEFFICIENT OF THERMAL EXPANSION:	
ASTM C 531	2.7 x 10 ⁻⁵ in/in/°F
ABRASION RESISTANCE:	
ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05 g loss



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

DRY STORAGE AREAS

Standard Colors:

100 Light Grey	135 Medium Grey	170 Dark Grey	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



TEMPERATURE RESISTANCE:	
Continuous Exposure:	140°F
Intermittent Spills:	200°F
FLEXURAL MODULES OF ELASTICITY:	
ASTM D 790	2.01 x 10 ⁶ psi
SLIP RESISTANCE:	
PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry: 70 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 Key Resin Company office.

Flowfast Industrial (200 mils)

A hard wearing, chemical resistant and fast cure MMA flooring system with a matte colored finish. Flowfast Industrial is a thick-set, durable and slip resistant flooring system that delivers a fully trafficable surface just 60 minutes from application.

✓ **LOADING BAYS**

Standard Colors:



TEMPERATURE RESISTANCE:

Continuous Exposure: Up to 160°F

SLIP RESISTANCE:

PTV BS 7976-2 (Using TRRL Rubber Slider)
 Dry: 80
 Wet: 60

ABRASION RESISTANCE:

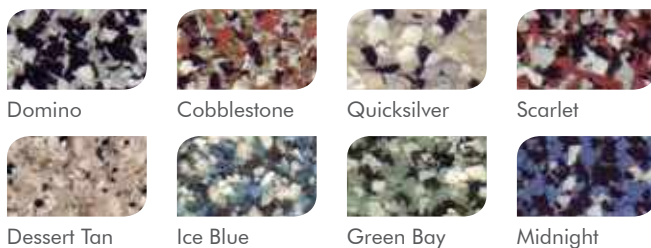
ASTM D 4060, CS17
 Wheel, 1,000 Cycles
 0.080 g loss

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. The system is also available in epoxy - Peran Floor Flakes.

✓ **OFFICES, LOCKER ROOMS & RESTROOMS**

Standard Colors:



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
 0.085 g 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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