

Specialty Polymer Flooring Systems for:

DAIRY & CHEESE PLANTS

- Processing & Curing Rooms
- Warehousing & Cold Storage
- Packaging Areas
- Offices & Service Areas



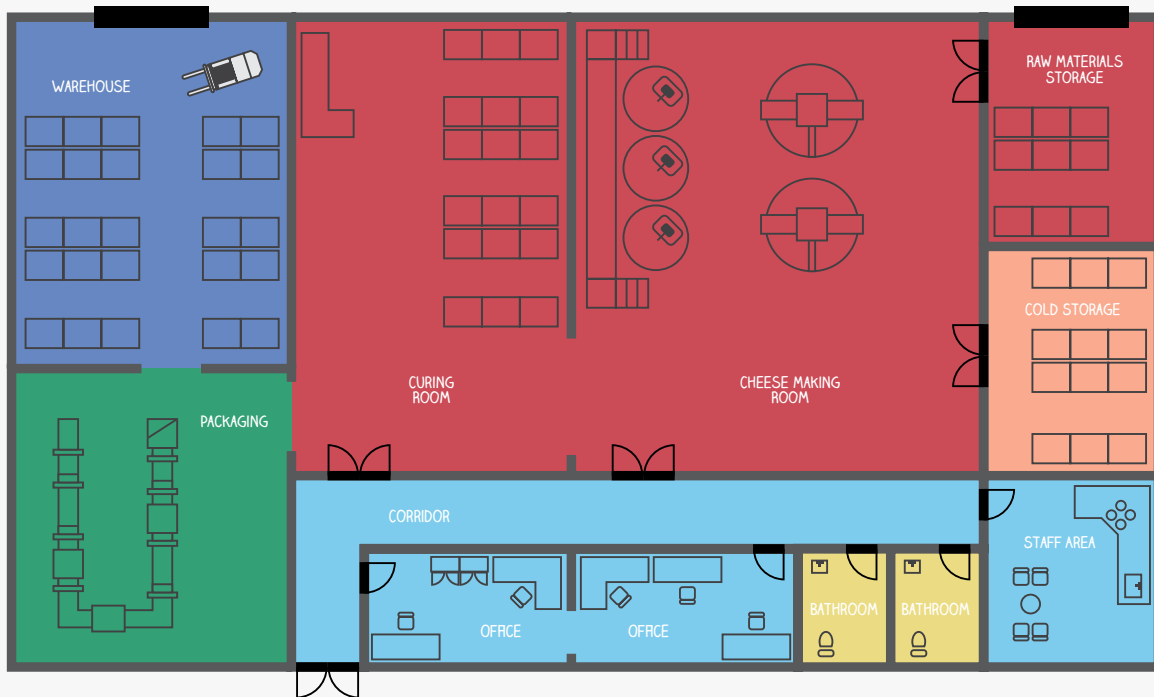
Welcome to FlowResin

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, 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 pressurized steam cleaning - both of which can lead to mechanical damage.

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

Dairy Plant Floor Plan



 Flowfresh SR	 Flowtex with Flowcoat HTS	 Flowfast Flakes	 Peran WW & Peran WW Reinforced (Wall Coating)
 Flowfresh HF	 Flowtex	 Peran STB Broadcast	

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



Polygiene® 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%

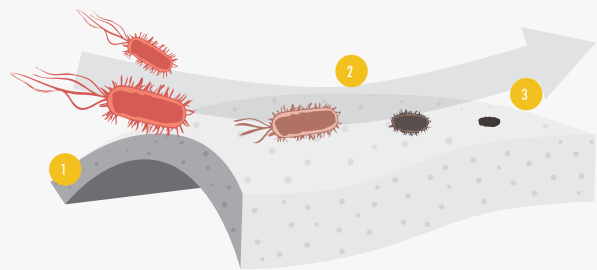
HACCP International Certified Hygienic Flooring

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.

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.

COLD STORAGE

Standard Colors:



Cream



Tan



Khaki



Red



Green



Black



Common Grey



Dark Grey



Safety Yellow



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, anti-slip and HACCP certified antimicrobial treated cementitious urethane flooring system. Flowfresh SR provides a positively textured and vibrantly colored floor finish, resistant to thermal shock and moisture vapor transmission.

CHEESE MAKING ROOMS, CURING ROOMS, RAW MATERIALS STORAGE

Standard Colors:



Cream



Tan



Khaki



Red



Green



Black



Common Grey



Dark Grey



Safety Yellow



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.



Our antimicrobial treated polymer flooring materials are HACCP International certified as food-safe for use in food processing plants.

Flowtex / Flowtex with Flowcoat HTS (3/16" - 1/4")

A trowelled epoxy floor mortar, with excellent durability, abrasion resistance and ease of application. Combined with Flowcoat HTS, the system offers a highly durable surface suited for areas subject to heavy traffic conditions.

✓ WAREHOUSES, PACKAGING

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:	Up to 140°F
Intermittent Spills:	Up to 200°F
ABRASION RESISTANCE:	
ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.010 g loss
IMPACT RESISTANCE:	
ISO 6272	2.2 lb weight > 70 inch 4.4 lb weight > 59 inch



Ask us about our complementary hygienic wall coatings and floor coving system to create a hygienic barrier throughout.

Flowgard WW (6 - 50 mils)

A high performance, non-porous and pigmented epoxy resin coating for use on walls and ceilings with an optional fiberglass reinforced lining available. Flowgard WW is suitable for use in process areas and kitchens.

✓ WALLS & CEILINGS

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:	Up to 140°F
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ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.015 g loss
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VAPOR PERMEABILITY:

ASTM E 96:90	20 g/m ² /mm/24 hrs
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The applied colors may differ from the examples shown. For a full technical profile, color chart and samples, contact your local Key Resin office.



Peran STB Broadcast (120 mils)

A decorative, hard wearing, double broadcast epoxy floor system containing colorful quartz aggregates. Peran STB Broadcast delivers a durable surface suited to wet and dry processing areas.

✓ BATHROOMS, CORRIDORS

TEMPERATURE RESISTANCE:

Continuous Exposure: Up to 140°F

SLIP RESISTANCE:

PTV BS 7976-2 (Using TRRL Rubber Slider) Dry: 60
Wet: Dependent on specification

ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles 0.070 g loss

Standard Colors:



Spring Glen



Grey Mist



Rococo



Blueberry Ice



Kitchen Red



Shell

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.

✓ STAFF AREAS, BATHROOMS, CORRIDORS

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 0.080 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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