

Specialty Polymer Flooring Systems for:

WINERIES

- Barrel Rooms & Cellars
- Fermentation Areas
- Tasting Rooms & Kitchens
- Offices & Service Areas



Welcome to FlowResin






Chances are the next time you visit your local wine estate or vineyard, you'll encounter specialty polymer flooring systems throughout the facility rather than the typical tile or concrete finishes traditionally found in these environments.


You'll find these systems not only behind the scenes where the wine is fermenting or aging, but also in the tasting rooms where it is being consumed. 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 HACCP International certified antimicrobial treated floor coating systems designed to cater for all areas within the winery.

Winery Floor Plan



 Flowfresh HF	 Flowcoat CR	 Flowfast Flakes
 Flowfresh SRQ	 Flowfast Quartz	 Flowtallics UV

 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%

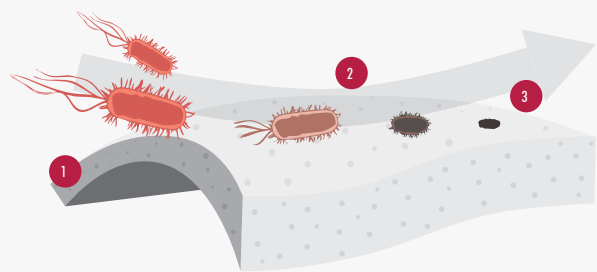
HACCP International Certified Hygienic Flooring

A winery's floor is subject to constant traffic, impact damage due to barrel or equipment handling and is usually found in humid, acid-rich conditions.

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.

FERMENTATION AREAS

Standard Colors:



TEMPERATURE RESISTANCE:

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

COEFFICIENT OF THERMAL EXPANSION:

ASTM C531	1.1 x 10 ⁻⁵ in/in/°F
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ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05g loss
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*General wear on Safety Yellow may be more visible.

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

A decorative 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.

BARREL ROOMS, BARREL BLENDING / COLD ROOMS

Standard Colors:



TEMPERATURE RESISTANCE: *

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

COEFFICIENT OF THERMAL EXPANSION:

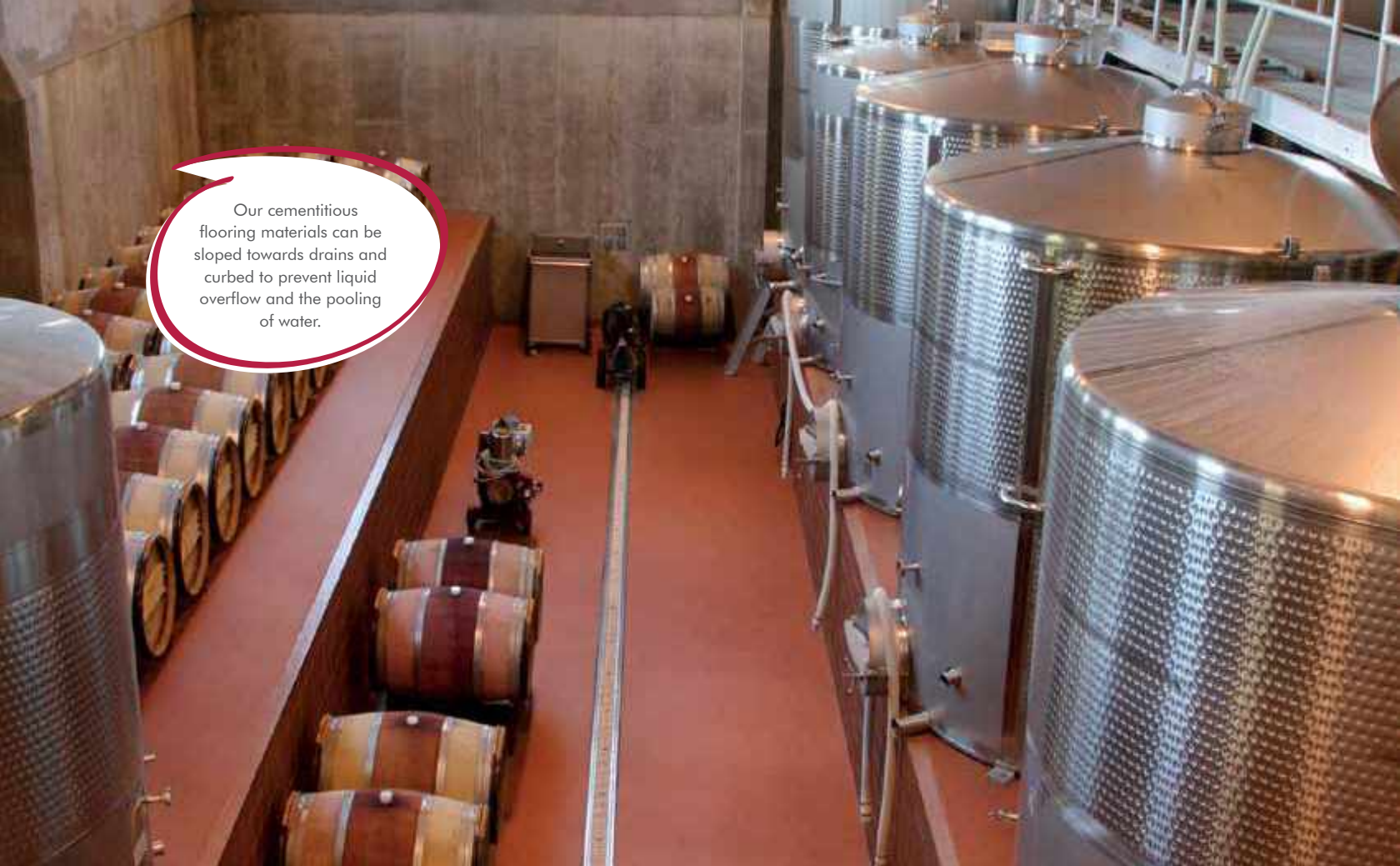
ASTM C531	1.5 x 10 ⁻⁵ in/in/°F
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ABRASION RESISTANCE:

ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.05g loss
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*Temperature resistance values shown apply when using Flowcoat CR as the topcoat.

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

Flowcoat CR (28 - 30 mils)

A 100% solids, highly chemical resistant epoxy floor coating system. Flowcoat CR offers enhanced protection against the most common acids, alkalis, caustics, salt solutions, oils, fats and sanitizers, additionally it can be broadcast with graded aggregates to provide additional traction underfoot.

CHEMICAL & EQUIPMENT STORAGE

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 160°F
ABRASION RESISTANCE:	
ASTM D 4060, CS17 Wheel, 1,000 Cycles	0.06g loss
CHEMICAL RESISTANCE:	
Excellent resistance to a wide range of acids (including battery acid), fuels, oils, grease, sanitizing agents, caustics and other aggressive solvents.	



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.

KITCHENS

Standard Colors:



Grey Mist



Rococo



Shell



Spring Glen



Kitchen Red



Blueberry Ice



TEMPERATURE RESISTANCE:

Continuous Exposure:	Up to 160°F
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SLIP RESISTANCE:

BS 7976-2	Dry: 80 Wet: 60
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ABRASION RESISTANCE:

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

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, LOBBIES

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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