



**RiO**  
FLOORING SYSTEMS  
CONTRACTOR FOCUSED: END-USER APPROVED



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**AEROSPACE FLOORING SYSTEMS**

- ✈ HANGAR FLOORS
- ✈ RECEPTION AREAS
- ✈ OFFICES
- ✈ KITCHENS
- ✈ RESTROOMS
- ✈ MAINTENANCE SHOP



[RIOfloor.com/aerospace](http://RIOfloor.com/aerospace)

#the**RiO**difference



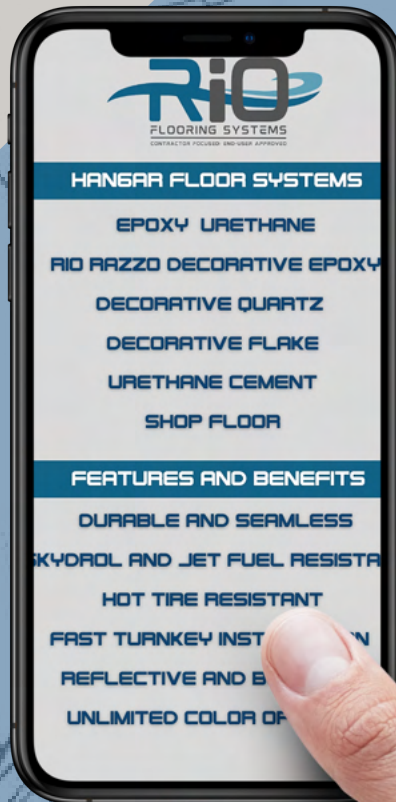
# AEROSPACE FLOORING SYSTEMS

RIO FLOORING SYSTEMS™ has been manufacturing industrial coatings in Cleveland, Ohio for over 100 years.

Our Aerospace Flooring Systems are specially designed to withstand SKYDROL™, jet fuel, oils and other fluids associated with aircraft maintenance and storage.

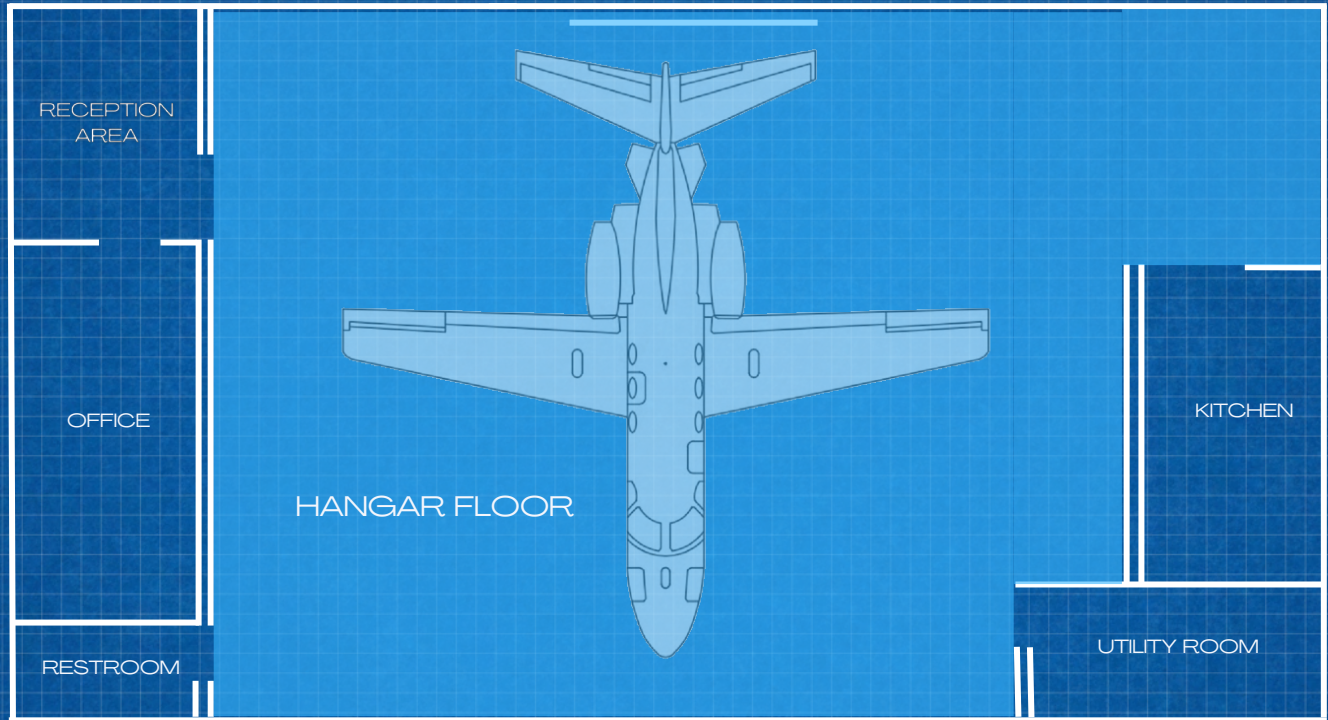
With millions of square feet installed, RIO FLOORING SYSTEMS™ delivers! Please email us at [info@riofloor.com](mailto:info@riofloor.com) to schedule a floor design consultation with one of our experienced business development managers.

#theRIOdifference





HANGAR DOOR



PRIVATE HANGER

*EDNEY*



RIO FLOORING SYSTEMS INC  
2926 CHESTER AVE  
CLEVELAND, OHIO 44114  
888-278-2183  
INFO@RIOFLOOR.COM

04/01/2022

THIN-MIL EPOXY  
URETHANE



HANGAR FLOOR SYSTEMS

EPOXY/URETHANE

RIO-RAZZO EPOXY SLURRY

POLISHED CONCRETE

DECORATIVE FLAKE

URETHANE CEMENT

SHOP FLOOR

## RIO FLOORING SYSTEMS™ EPOXY/URETHANE HANGAR FLOOR

- ECONOMICAL
- SKYDROL/JET FUEL RESISTANT
- HOT TIRE RESISTANT
- DURABLE AND REFLECTIVE
- SUPERIOR CLEANABILITY
- BEAUTIFUL





# TECHNICAL INFORMATION

## EPOXY / URETHANE SYSTEM

### SYSTEM PROPERTIES

**ABRASION RESISTANCE CS-17, 1,000 GRAM LOAD, 1,000 REVOLUTIONS**  
**ADHESION TO CONCRETE, PSI [MPa]**

**ADHESION TO CONCRETE, PSI [MPa]**

**COEFFICIENT OF FRICTION - COF, JAMES FRICTION TESTER**  
**COEFFICIENT OF FRICTION - WET STATIC, BOT 3000**

**COMPRESSIVE STRENGTH, PSI [Mpa]**  
**FLAMMABILITY, mm/mm**

**KONIG HARDNESS (3mil/0.08 mm film) (topcoat resin)**

**RESISTANCE TO YELLOWING (as measured using ASTM D2244 and after 1000 consecutive hours UV exposure in QUV)**

**SHORE D HARDNESS**

**60 DEGREE GLOSS**

**TENSILE STRENGTH, psi [MPa]**

**PERCENT ELONGATION (resin only)**

**THERMAL STABILITY /HEAT RESISTANCE**

**VOLATILE ORGANIC COMPOUND, VOC, lb/gal [g/l]**

**WATER ABSORPTION (24 HOURS)**

*Note: Results are based on conditions at 77 degrees farenheight / 25 degrees celsius*

### TEST METHOD

**ASTM D4060**

**ASTM D4541**

**ASTM D7234**

**ASTM D2047**

**ASTM/NFSI B101.1**

**ASTM D695**

**ASTM D635**

**ASTM D4366**

**ASTM G154**

**ASTM D2240**

**ASTM D5230**

**ASTM D2370**

**ASTM D2370**

**MIL-G-3134J**

**ASTM D3960**

**ASTM C413**

### RESULTS

**37-39mg/loss**

**450 (3.10)**  
*(Concrete Failed)*

**732 (4.48)**  
*(Concrete Failed)*

**0.5**

**0.99**

**13,500 (93.08)**

**50**

**140-150**

**<10 increase of yellow units**

**80-85 sec, 75-80/15 sec**

**>95**

**7,000-9,000**

**[48.26 - 62.05]**

**9-10%**

**No slip/flow, softening or change in appearance**

**RIO-COAT EMP A+B=.41 [49], UHW A+B =2.04 [245]**

**0.2% Increase**

### STANDARD COLORS



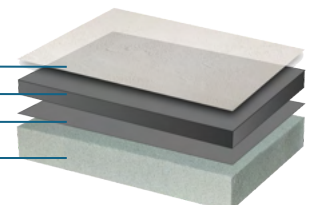
RIO-COAT™  
EPOXY/URETHANE  
SYSTEM

### \*CHEMICAL RESISTANCE CHART

	1 DAY	7 DAY	SPLASH/SPILL
SKYDROL™ 500B	E	E	E
SKYDROL™ LD4	E	E	E
JET FUEL (JP-4)	E	E	E
UNLEADED GASOLINE	E	E	E
MOTOR OIL	E	E	E
BRAKE FLUID	E	E	E
BLEACH	E	E	E
MINERAL SPIRITS	E	E	E
XYLENE	E	E	E
10% HYDROCHLORIC ACID	E	E	E
OLEIC ACID	E	E	E
d-LIMONENE	E	E	E
COFFEE	E	E	E

BASED ON 1 AND 7 DAY SPOT TESTING ON CONCRETE COATING CURED 2 WEEKS PRIOR TO TESTING. E = EXCELLENT (NO ADVERSE EFFECTS) \*NOTE: THIS IS A PARTIAL CHEMICAL RESISTANCE CHART. A COMPLETE RESISTANCE CHART CAN BE FOUND WITHIN THE PRODUCT SYSTEM GUIDE. CHEMICAL RESISTANCE RESULTS ARE BASED UPON USING RIO-COAT™ UHW AS A TOPCOAT

RIO-COAT™ EMP EPOXY (PRIMER COAT)  
 RIO-COAT™ EMP EPOXY (BUILD COAT)  
 RIO-COAT™ UHW (URETHANE TOPCOAT)  
 CONCRETE SUBSTRATE





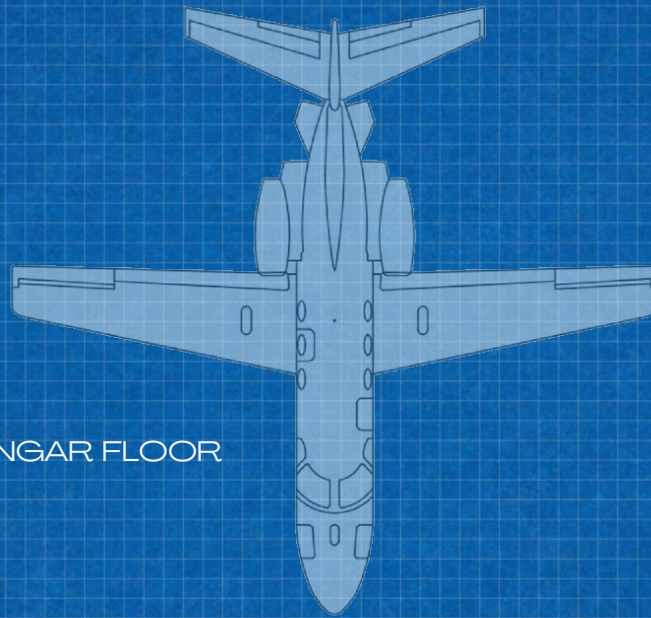
HANGAR DOOR

RECEPTION  
AREA

OFFICE

RESTROOM

HANGAR FLOOR



KITCHEN

UTILITY ROOM

PRIVATE HANGER

*EDNEY*

APPROVED



RIO FLOORING SYSTEMS INC  
2926 CHESTER AVE  
CLEVELAND, OHIO 44114  
888-278-2183  
INFO@RIOFLOOR.COM

04/01/2022

RIO-RAZZO  
DECORATIVE  
EPOXY



HANGAR FLOOR SYSTEMS

THIN-MIL EPOXY/URETHANE

RIO-RAZZO EPOXY SLURRY

POLISHED CONCRETE

DECORATIVE FLAKE

URETHANE CEMENT

SHOP FLOOR

## RIO-RAZZO™ DECORATIVE SLURRY SYSTEM

- SUPERB FOR RECEPTION AREAS
- TERRAZZO LOOK AT 1/3 THE COST
- DURABLE & BEAUTIFUL
- SEAMLESS AND HYGENIC
- SUPERIOR CLEANABILITY





# TECHNICAL INFORMATION

## RIO-RAZZO™ DECORATIVE EPOXY SYSTEM

### SYSTEM PROPERTIES

**ABRASION RESISTANCE CS-17, 1,000 GRAM LOAD, 1,000 REVOLUTIONS**  
**ADHESION TO CONCRETE, PSI [MPa]**

**ADHESION TO CONCRETE, PSI [MPa]**

**COEFFICIENT OF FRICTION - COF, JAMES FRICTION TESTER**  
**COEFFICIENT OF FRICTION - WET STATIC, BOT 3000**

**COMPRESSIVE STRENGTH, PSI [Mpa]**  
**FLAMMABILITY, mm/mm**

**KONIG HARDNESS (3mil/0.08 mm film) (topcoat resin)**

**RESISTANCE TO YELLOWING (as measured using ASTM D2244 and after 1000 consecutive hours UV exposure in QUV)**

**SHORE D HARDNESS**  
**60 DEGREE GLOSS**

**TENSILE STRENGTH, psi [MPa]**

**PERCENT ELONGATION (resin only)**

**THERMAL STABILITY /HEAT RESISTANCE**

**VOLATILE ORGANIC COMPOUND, VOC, lb/gal [g/l]**

**WATER ABSORPTION (24 HOURS)**

*Note: Results are based on conditions at 77 degrees farenheight / 25 degrees celsius*

### TEST METHOD

**ASTM D4060**  
**ASTM D4541**

**ASTM D7234**

**ASTM D2047**  
**ASTM/NFSI B101.1**

**ASTM D695**  
**ASTM D635**

**ASTM D4366**  
**ASTM G154**

**ASTM D2240**  
**ASTM D5230**  
**ASTM D2370**

**ASTM D2370**

**MIL-G-3134J**

**ASTM D3960**

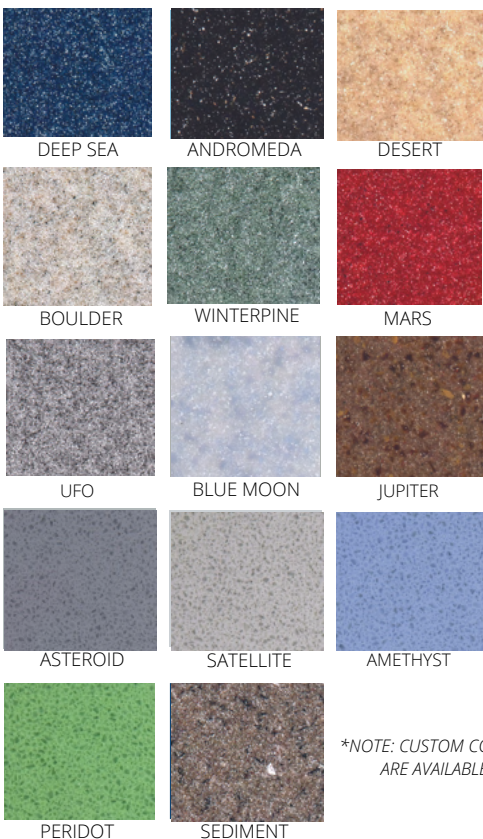
**ASTM C413**

### RESULTS

**.11 mg/loss**  
**450 (3.10)**  
*(Concrete Failed)*  
**732 (4.48)**  
*(Concrete Failed)*  
**0.5**  
**0.99**  
**14,500 (99.87)**  
**50**  
**140-150**  
**<10 increase of yellow units**  
**90/70**  
**>95**  
**7,300**  
**[48.26 - 62.05]**  
**9-10%**  
*No slip/flow, softening or change in appearance*  
**RIO-COAT EMP A+B=.41 [49], UHW A+B =2.04 [245]**  
**0.2% Increase**

### STANDARD COLORS

### \*CHEMICAL RESISTANCE CHART



*\*NOTE: CUSTOM COLORS ARE AVAILABLE*

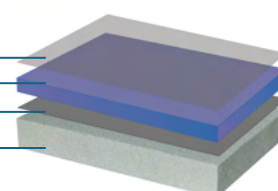
RIO-RAZZO™  
 DECORATIVE EPOXY  
 SYSTEM

	1 DAY	7 DAY	SPLASH/SPILL
SKYDROL™ 500B	E	E	E
SKYDROL™ LD4	E	E	E
JET FUEL (JP-4)	E	E	E
UNLEADED GASOLINE	E	E	E
MOTOR OIL	E	E	E
BRAKE FLUID	E	E	E
BLEACH	E	E	E
MINERAL SPIRITS	E	E	E
XYLENE	E	E	E
10% HYDROCHLORIC ACID	E	E	E
OLEIC ACID	E	E	E
d-LIMONENE	E	E	E
COFFEE	E	E	E

BASED ON 1 AND 7 DAY SPOT TESTING ON CONCRETE COATING COATING CURED 2 WEEKS PRIOR TO TESTING. E = EXCELLENT (NO ADVERSE EFFECTS) \*NOTE: THIS IS A PARTIAL CHEMICAL RESISTANCE CHART. A COMPLETE RESISTANCE CHART CAN BE FOUND WITHIN THE PRODUCT SYSTEM GUIDE. CHEMICAL RESISTANCE RESULTS ARE BASED UPON USING RIO-COAT™ UHW AS A TOPCOAT

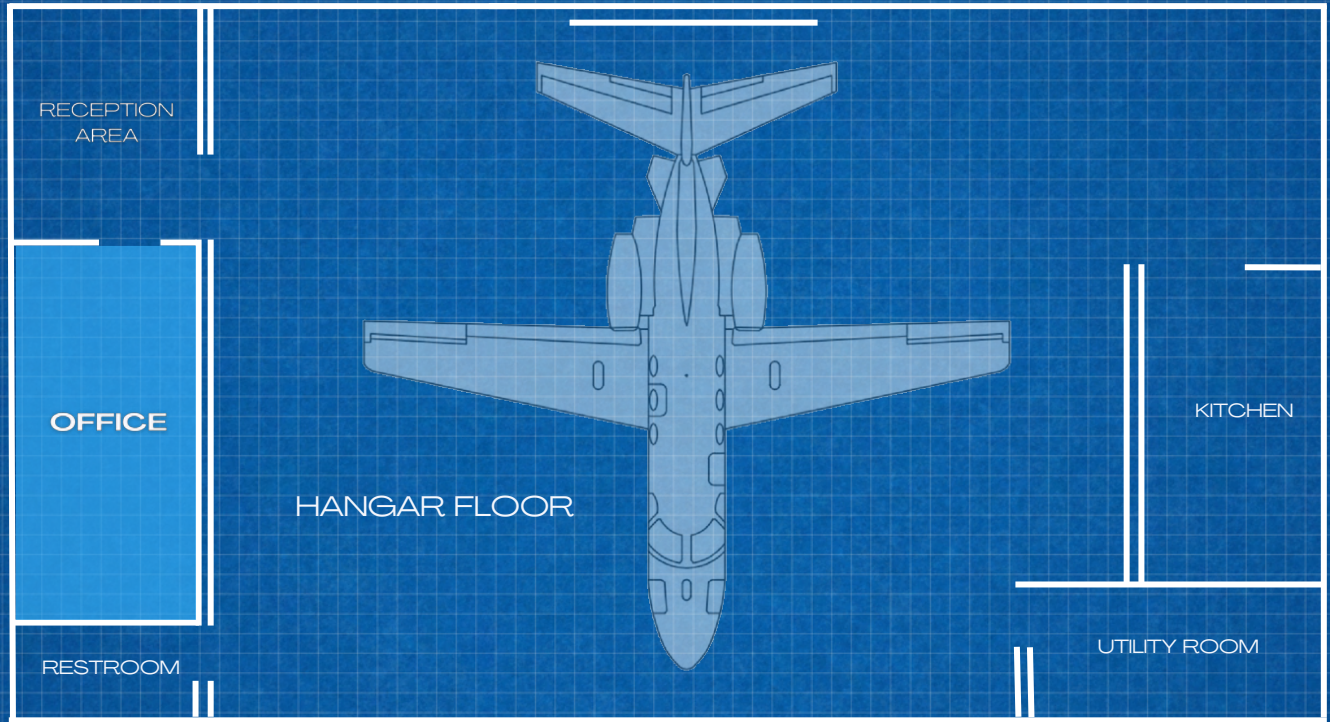
- RIO-COAT™ UHW (URETHANE TOPCOAT)
- RIO-RAZZO™ EPOXY (BUILD COAT\*)
- RIO-COAT™ EMP EPOXY (PRIMER COAT)
- CONCRETE SUBSTRATE

*\*No Broadcasting Required*





HANGAR DOOR



PRIVATE HANGER		RIO FLOORING SYSTEMS INC 2926 CHESTER AVE CLEVELAND, OHIO 44114 888-278-2183 INFO@RIOFLOOR.COM	04/01/2022
<i>EDNEY</i>			POLISHED CONCRETE
APPROVED			



# RIO-QUARTZ™ DECORATIVE FLOORING SYSTEM

- BRIGHTENS OFFICE SPACES
- BEAUTIFUL AND DURABLE
- STAIN RESISTANT
- ANTI-SLIP CHEMISTRY
- LEED FRIENDLY FORMULAS





# TECHNICAL INFORMATION

## RIO-QUARTZ™ EPOXY FLOOR SYSTEM

### SYSTEM PROPERTIES

**ABRASION RESISTANCE CS-17, 1,000 GRAM LOAD, 1,000 REVOLUTIONS**  
**ADHESION TO CONCRETE, PSI [MPa]**

**ADHESION TO CONCRETE, PSI [MPa]**

**COEFFICIENT OF FRICTION - COF, JAMES FRICTION TESTER**  
**COEFFICIENT OF FRICTION - WET STATIC, BOT 3000**

**COMPRESSIVE STRENGTH. PSI [Mpa]**  
**FLAMMABILITY, mm/mm**

**KONIG HARDNESS (3mil/0.08 mm film) (topcoat resin)**

**RESISTANCE TO YELLOWING (as measured using ASTM D2244 and after 1000 consecutive hours UV exposure in QUV)**

**SHORE D HARDNESS**  
**60 DEGREE GLOSS**

**TENSILE STRENGTH, psi [MPa]**

**PERCENT ELONGATION (resin only)**

**THERMAL STABILITY /HEAT RESISTANCE**

**VOLATILE ORGANIC COMPOUND, VOC, lb/gal [g/l]**

**WATER ABSORPTION (24 HOURS)**

*Note: Results are based on conditions at 77 degrees farenheight / 25 degrees celsius*

### TEST METHOD

**ASTM D4060**  
**ASTM D4541**

**ASTM D7234**

**ASTM D2047**  
**ASTM/NFSI B101.1**

**ASTM D695**  
**ASTM D635**

**ASTM D4366**  
**ASTM G154**

**ASTM D2240**  
**ASTM D5230**  
**ASTM D2370**

**ASTM D2370**

**MIL-G-3134J**

**ASTM D3960**

**ASTM C413**

### RESULTS

**37-39mg/loss**  
**450 (3.10)**  
*(Concrete Failed)*

**732 (4.48)**  
*(Concrete Failed)*

**0.5**  
**0.99**

**13,500 (93.08)**  
**50**

**140-150**

**<10 increase of yellow units**

**80-85 sec, 75-80/15 sec**  
**>95**

**7,000-9,000**  
**[48.26 - 62.05]**

**9-10%**

**No slip/flow, softening or change in appearance**

**RIO-COAT EMP A+B=.41 [49], UHW A+B =2.04 [245]**

**0.2% Increase**

### STANDARD COLORS

### \*CHEMICAL RESISTANCE CHART



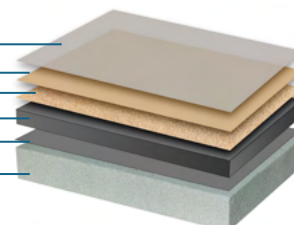
	1 DAY	7 DAY	SPLASH/SPILL
SKYDROL™ 500B	E	E	E
SKYDROL™ LD4	E	E	E
JET FUEL (JP-4)	E	E	E
UNLEADED GASOLINE	E	E	E
MOTOR OIL	E	E	E
BRAKE FLUID	E	E	E
BLEACH	E	E	E
MINERAL SPIRITS	E	E	E
XYLENE	E	E	E
10% HYDROCHLORIC ACID	E	E	E
OLEIC ACID	E	E	E
d-LIMONENE	E	E	E
COFFEE	E	E	E

BASED ON 1 AND 7 DAY SPOT TESTING ON CONCRETE COATING CURED 2 WEEKS PRIOR TO TESTING. E = EXCELLENT (NO ADVERSE EFFECTS) \*NOTE: THIS IS A PARTIAL CHEMICAL RESISTANCE CHART. A COMPLETE RESISTANCE CHART CAN BE FOUND WITHIN THE PRODUCT SYSTEM GUIDE. CHEMICAL RESISTANCE RESULTS ARE BASED UPON USING RIO-COAT™ UHW AS A TOPCOAT

\*NOTE: CUSTOM COLOR BLENDS ARE AVAILABLE

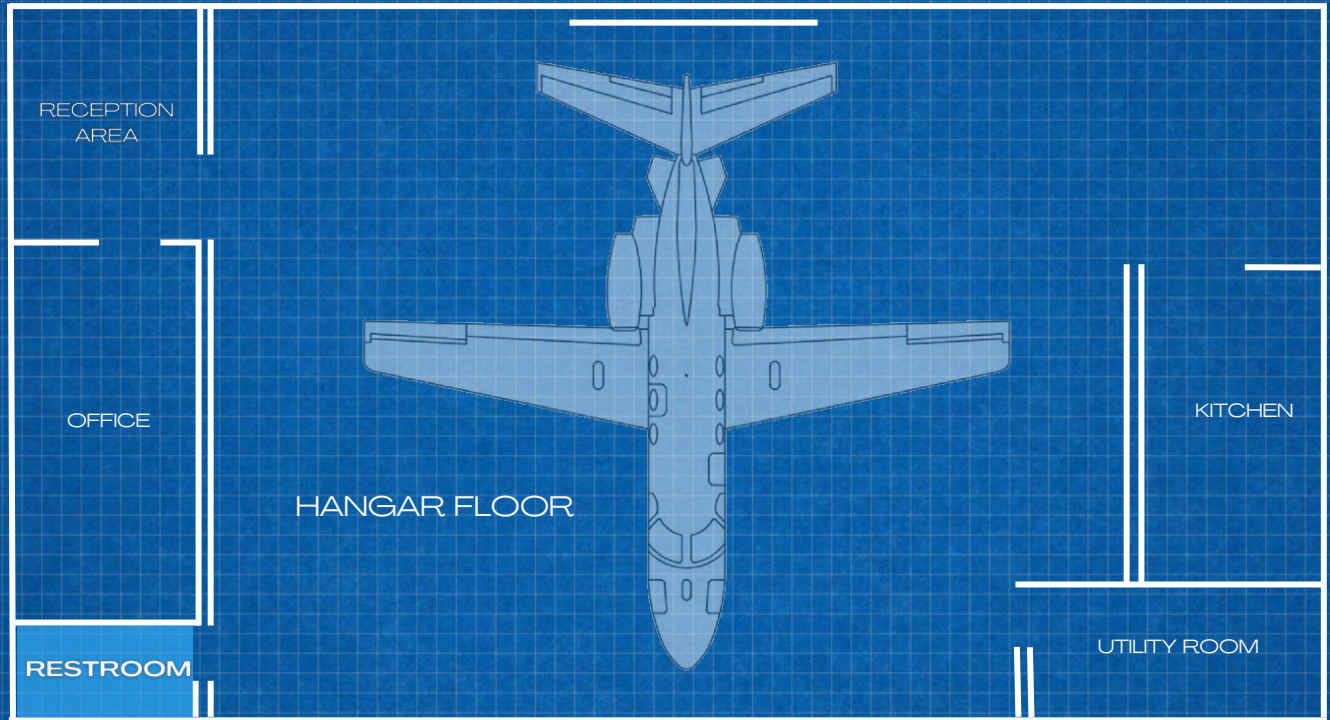
RIO-QUARTZ SB  
 DECORATIVE FLOOR  
 SYSTEM

RIO-COAT™ UHW (URETHANE TOPCOAT)  
 RIO-COAT™ EUV EPOXY (GROUT COAT)  
 QUARTZ BROADCAST  
 RIO-COAT™ EMP EPOXY (BUILD COAT)  
 RIO-COAT™ EMP EPOXY (PRIMER COAT)  
 CONCRETE SUBSTRATE





HANGAR DOOR



PRIVATE HANGER		RIO FLOORING SYSTEMS INC 2926 CHESTER AVE CLEVELAND, OHIO 44114 888-278-2183 INFO@RIOFLOOR.COM	04/01/2022
<i>EDNEY</i>			
APPROVED			RIO FLAKE DECORATIVE EPOXY



**HANGAR FLOOR SYSTEMS**

- EPOXY/URETHANE
- RIO-RAZZO EPOXY SLURRY
- POLISHED CONCRETE
- DECORATIVE FLAKE**
- URETHANE CEMENT
- SHOP FLOOR

## **RIO-FLAKE™ DECORATIVE FLOOR SYSTEM**

- BEST CHOICE FOR RESTROOMS**
- UNLIMITED COLOR OPTIONS**
- CHEMICAL RESISTANT**
- SLIP RESISTANT**
- EXCELLENT CLEANABILITY**





# TECHNICAL INFORMATION

## RIO-FLAKE™ DECORATIVE EPOXY SYSTEM

### SYSTEM PROPERTIES

**ABRASION RESISTANCE CS-17, 1,000 GRAM LOAD, 1,000 REVOLUTIONS**  
**ADHESION TO CONCRETE, PSI [MPa]**

**ADHESION TO CONCRETE, PSI [MPa]**

**COEFFICIENT OF FRICTION - COF, JAMES FRICTION TESTER**

**COEFFICIENT OF FRICTION - WET STATIC, BOT 3000**

**COMPRESSIVE STRENGTH, PSI [Mpa]**

**FLAMMABILITY, mm/mm**

**KONIG HARDNESS (3mil/0.08 mm film) (topcoat resin)**

**RESISTANCE TO YELLOWING (as measured using ASTM D2244 and after 1000 consecutive hours UV exposure in QUV)**

**SHORE D HARDNESS**

**60 DEGREE GLOSS**

**TENSILE STRENGTH, psi [MPa]**

**PERCENT ELONGATION (resin only)**

**THERMAL STABILITY /HEAT RESISTANCE**

**VOLATILE ORGANIC COMPOUND, VOC, lb/gal [g/l]**

**WATER ABSORPTION (24 HOURS)**

*Note: Results are based on conditions at 77 degrees farenheight / 25 degrees celsius*

### TEST METHOD

**ASTM D4060**

**ASTM D4541**

**ASTM D7234**

**ASTM D2047**

**ASTM/NFSI B101.1**

**ASTM D695**

**ASTM D635**

**ASTM D4366**

**ASTM G154**

**ASTM D2240**

**ASTM D5230**

**ASTM D2370**

**ASTM D2370**

**MIL-G-3134J**

**ASTM D3960**

**ASTM C413**

### RESULTS

**.11 mg/loss**

**450 (3.10)**  
*(Concrete Failed)*

**732 (4.48)**  
*(Concrete Failed)*

**0.5**

**0.99**

**14,500 (99.87)**

**50**

**140-150**

**<10 increase of yellow units**

**90/70**

**>95**

**7,300**

**[48.26 - 62.05]**

**9-10%**

**No slip/flow, softening or change in appearance**

**RIO-COAT EMP A+B=.41 [49], UHW A+B =2.04 [245]**

**0.2% Increase**

### STANDARD COLORS

### \*CHEMICAL RESISTANCE CHART

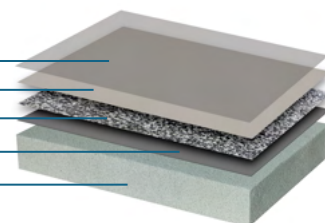


RIO-FLAKE™  
 DECORATIVE EPOXY  
 SYSTEM

	1 DAY	7 DAY	SPLASH/SPILL
SKYDROL™ 500B	E	E	E
SKYDROL™ LD4	E	E	E
JET FUEL (JP-4)	E	E	E
UNLEADED GASOLINE	E	E	E
MOTOR OIL	E	E	E
BRAKE FLUID	E	E	E
BLEACH	E	E	E
MINERAL SPIRITS	E	E	E
XYLENE	E	E	E
10% HYDROCHLORIC ACID	E	E	E
OLEIC ACID	E	E	E
d-LIMONENE	E	E	E
COFFEE	E	E	E

BASED ON 1 AND 7 DAY SPOT TESTING ON CONCRETE COATING CURED 2 WEEKS PRIOR TO TESTING. E = EXCELLENT (NO ADVERSE EFFECTS) \*NOTE: THIS IS A PARTIAL CHEMICAL RESISTANCE CHART. A COMPLETE RESISTANCE CHART CAN BE FOUND WITHIN THE PRODUCT SYSTEM GUIDE. CHEMICAL RESISTANCE RESULTS ARE BASED UPON USING RIO-COAT™ UHW AS A TOPCOAT

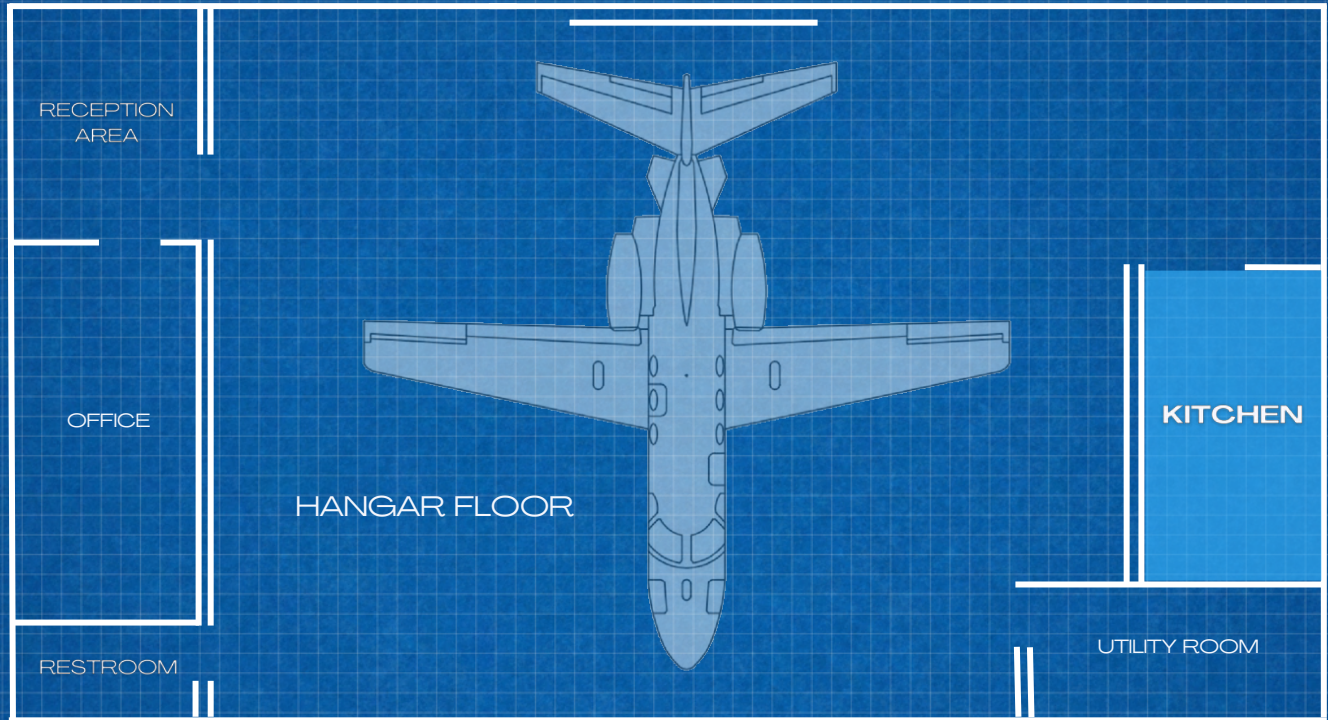
- RIO-COAT UHW™ (URETHANE TOPCOAT)
- RIO-COAT™ EUV (GROUT COAT)
- RIO-FLAKE™ BROADCAST
- RIO-COAT™ EMP EPOXY (PRIMER COAT)
- CONCRETE SUBSTRATE



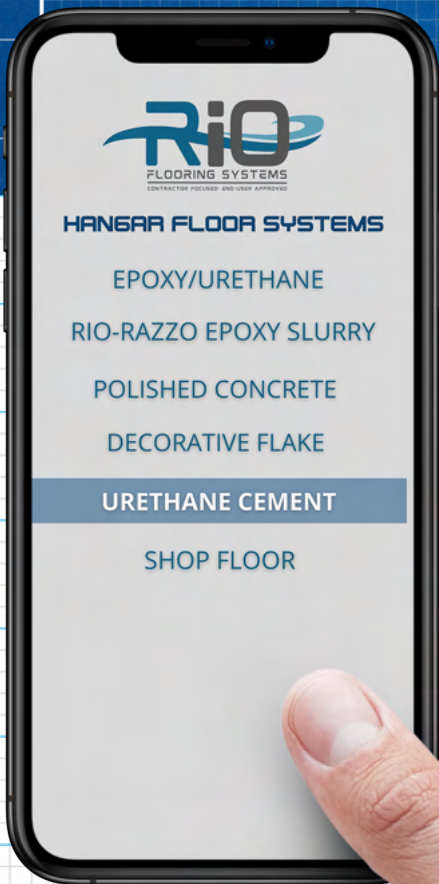
\*NOTE: CUSTOM COLOR BLENDS ARE AVAILABLE



HANGAR DOOR



PRIVATE HANGER	RIO FLOORING SYSTEMS INC 2926 CHESTER AVE CLEVELAND, OHIO 44114 888-278-2183 INFO@RIOFLOOR.COM	04/01/2022
<i>EDNEY</i>		RIO CRETE URETHANE CEMENT
APPROVED		



## RIO-CRETE™ URETHANE CEMENT SYSTEM

- DESIGNED FOR KITCHENS
- MEETS USDA REQUIREMENTS
- THERMAL SHOCK RESISTANT
- SLIP RESISTANT
- EXCELLENT CLEANABILITY





# TECHNICAL INFORMATION

## RIO-CRETE™ URETHANE CEMENT SYSTEM

### SYSTEM PROPERTIES

### TEST METHOD

### RESULTS

**FLEXURAL STRENGTH**

ASTM C580

1900 [10.34]

**BOND STRENGTH**

ASTM D4541

100% CONCRETE FAILURE

**COMPRESSIVE STRENGTH. PSI [Mpa]**

ASTM D695

7,800 (53.78)732 (4.48)

**FLAMMABILITY, mm/mm**

ASTM D635

Self-Extinguishing

**TENSILE STRENGTH, psi [MPa]**

ASTM C307

975 [6.72]

**IMPACT STRENGTH, in-lb**

ASTM D 4226

>160

**RESISTANCE TO FUNGI GROWTH**

ASTM G-21

PASSES, RATING OF 1

**VOLATILE ORGANIC COMPOUND, VOC, lb/gal [g/l]**

ASTM D3960

RIO-CRETE A+B=.04 [5],  
UHW A+B =2.04 [245]

**MOISTURE VAPOR TRANSMISSION LIMITS**

ASTM E1869

HF/SF = UNLIMITED  
MF/SL = 12lbs OR LESS PER  
1,000 SQUARE FEET OVER A  
24 HOUR PERIOD

Testing performed at 70°F [21.1°C]. The data shown above reflects typical results based on laboratory testing under controlled conditions. Variations from the data shown may result. Test methods are modified where applicable.

CONTRACTOR FOCUSED: END-USER APPROVED

### STANDARD COLORS

### \*CHEMICAL RESISTANCE CHART



\*NOTE: CUSTOM COLORS ARE AVAILABLE

RIO-CRETE™  
URETHANE CEMENT  
SYSTEM

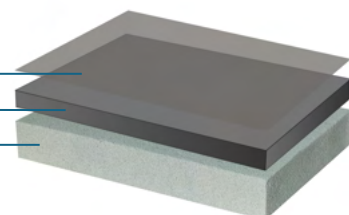
	1 DAY	7 DAY	SPLASH/SPILL
SKYDROL™ 500B	E	E	E
SKYDROL™ LD4	E	E	E
JET FUEL (JP-4)	E	E	E
UNLEADED GASOLINE	E	E	E
MOTOR OIL	E	E	E
BRAKE FLUID	E	E	E
BLEACH	E	E	E
MINERAL SPIRITS	E	E	E
XYLENE	E	E	E
10% HYDROCHLORIC ACID	E	E	E
OLEIC ACID	E	E	E
d-LIMONENE	E	E	E
COFFEE	E	E	E

BASED ON 1 AND 7 DAY SPOT TESTING ON CONCRETE COATING CURED 2 WEEKS PRIOR TO TESTING. E = EXCELLENT (NO ADVERSE EFFECTS) \*NOTE: THIS IS A PARTIAL CHEMICAL RESISTANCE CHART. A COMPLETE RESISTANCE CHART CAN BE FOUND WITHIN THE PRODUCT SYSTEM GUIDE. CHEMICAL RESISTANCE RESULTS ARE BASED UPON USING RIO-COAT™ UHW AS A TOPCOAT

RIO-COAT UHW™ (URETHANE TOPCOAT)

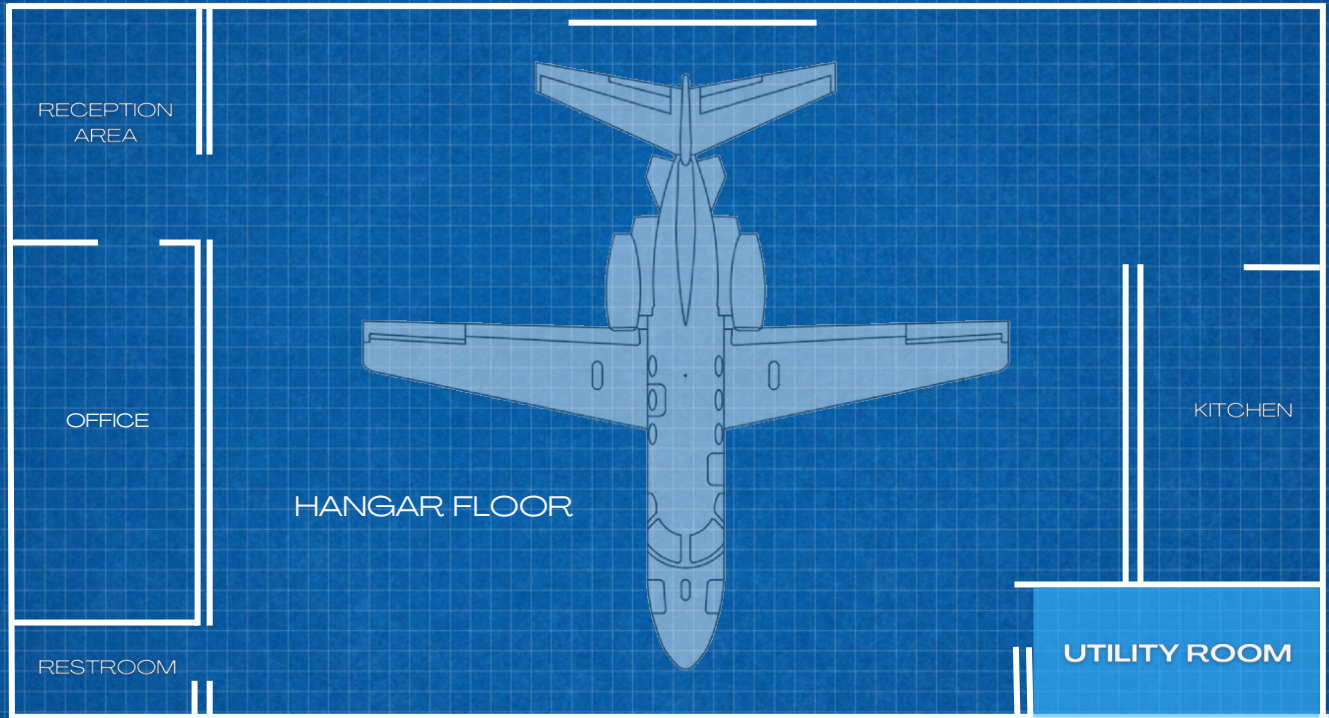
RIO-CRETE™ URETHANE CEMENT SL/SF/MF/HF

CONCRETE SUBSTRATE





## HANGAR DOOR



PRIVATE HANGER

EPOXY

APPROVED



RIO FLOORING SYSTEMS, INC.  
2926 CHESTER AVE.  
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RIO-SHOP  
EPOXY FLOOR



### HANGAR FLOOR SYSTEMS

EPOXY/URETHANE  
RIO-RAZZO EPOXY SLURRY  
POLISHED CONCRETE  
DECORATIVE FLAKE  
URETHANE CEMENT

SHOP FLOOR

## RIO-SHOP™ EPOXY FLOOR SYSTEM

- HIGH IMPACT PROTECTION
- LONG LASTING DURABILITY
- ABRASION RESISTANT
- SLIP RESISTANT
- MANY COLOR OPTIONS
- EXCELLENT CLEANABILITY





# TECHNICAL INFORMATION

## RIO-SHOP™ EPOXY FLOOR SYSTEM

### SYSTEM PROPERTIES

**ABRASION RESISTANCE CS-17, 1,000 GRAM LOAD, 1,000 REVOLUTIONS**  
**ADHESION TO CONCRETE, PSI [MPa]**

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**COEFFICIENT OF FRICTION - COF, JAMES FRICTION TESTER**  
**COEFFICIENT OF FRICTION - WET STATIC, BOT 3000**

**COMPRESSIVE STRENGTH, PSI [Mpa]**  
**FLAMMABILITY, mm/mm**

**KONIG HARDNESS (3mil/0.08 mm film) (topcoat resin)**

**RESISTANCE TO YELLOWING (as measured using ASTM D2244 and after 1000 consecutive hours UV exposure in QUV)**

**SHORE D HARDNESS**

**60 DEGREE GLOSS**

**TENSILE STRENGTH, psi [MPa]**

**PERCENT ELONGATION (resin only)**

**THERMAL STABILITY /HEAT RESISTANCE**

**VOLATILE ORGANIC COMPOUND, VOC, lb/gal [g/l]**

**WATER ABSORPTION (24 HOURS)**

*Note: Results are based on conditions at 77 degrees farenheight / 25 degrees celsius*

### TEST METHOD

**ASTM D4060**

**ASTM D4541**

**ASTM D7234**

**ASTM D2047**

**ASTM/NFSI B101.1**

**ASTM D695**

**ASTM D635**

**ASTM D4366**

**ASTM G154**

**ASTM D2240**

**ASTM D5230**

**ASTM D2370**

**ASTM D2370**

**MIL-G-3134J**

**ASTM D3960**

**ASTM C413**

### RESULTS

**37-39mg/loss**

**450 (3.10)**  
*(Concrete Failed)*

**732 (4.48)**  
*(Concrete Failed)*

**0.5**

**0.99**

**13,500 (93.08)**

**50**

**140-150**

**<10 increase of yellow units**

**80-85 sec, 75-80/15 sec**

**>95**

**7,000-9,000**  
**[48.26 - 62.05]**

**9-10%**

**No slip/flow, softening or change in appearance**

**RIO-COAT EMP A+B=.41**  
**[49], UHW A+B =2.04 [245]**

**0.2% Increase**

### STANDARD COLORS



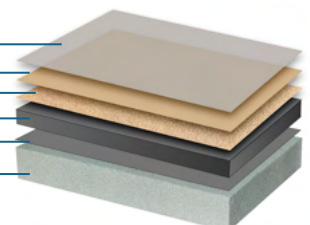
RIO-COAT SHOP FLOOR SYSTEM

### \*CHEMICAL RESISTANCE CHART

	1 DAY	7 DAY	SPLASH/SPILL
SKYDROL™ 500B	E	E	E
SKYDROL™ LD4	E	E	E
JET FUEL (JP-4)	E	E	E
UNLEADED GASOLINE	E	E	E
MOTOR OIL	E	E	E
BRAKE FLUID	E	E	E
BLEACH	E	E	E
MINERAL SPIRITS	E	E	E
XYLENE	E	E	E
10% HYDROCHLORIC ACID	E	E	E
OLEIC ACID	E	E	E
d-LIMONENE	E	E	E
COFFEE	E	E	E

BASED ON 1 AND 7 DAY SPOT TESTING ON CONCRETE COATING CURED 2 WEEKS PRIOR TO TESTING. E = EXCELLENT (NO ADVERSE EFFECTS) \*NOTE: THIS IS A PARTIAL CHEMICAL RESISTANCE CHART. A COMPLETE RESISTANCE CHART CAN BE FOUND WITHIN THE PRODUCT SYSTEM GUIDE. CHEMICAL RESISTANCE RESULTS ARE BASED UPON USING RIO-COAT™ UHW AS A TOPCOAT

RIO-COAT™UHW (URETHANE TOPCOAT)  
 RIO-COAT™ EUV EPOXY (GROUT COAT)  
 SAND BROADCAST  
 RIO-COAT™ EMP EPOXY (BUILD COAT)  
 RIO-COAT™ EMP EPOXY (PRIMER COAT)  
 CONCRETE SUBSTRATE







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