10641 Highway 36
Covington, GA
30014

www.sunbeltbuilders.com

t 770.786.3031
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Senior Services Enrichment Center

Southern Painting & Maintenance Specialists
908 Laurens Road
Greenville, SC 29607
ph: 864-232-4010
Steve Elliott
steve@southernpainting-sc.com

09-6521 Epoxy O&M

DATE: October 28, 2025

TO:
Ryan Lewis
Sunbelt Builders
10641 Highway 36
Covington, GA 30014
Phone: 770.786.3031
rlewis@sunbeltbuilders.com

CONTACT:
Steve Elliott
Southern Painting and Maintenance Specialists, Inc.
PO Box 16688
Greenville, SC 29606
Phone: 864.232.4010
steve@southernpainting-sc.com

PROJECT: Newton County Seniors Enrichment Center – Richard Chapel Road, Covington, GA
- Interior High-Performance Coating (IHP)
  - Resinous Quartz Flooring Option

Dear Mr. Lewis,

We are pleased to submit the following O&M information for the above-referenced project. The scope of work is listed below.

SCOPE OF WORK – Resinous Quartz Flooring:
- Areas: *See attached drawings in red*
  - Total Footage: 675 Sq.Ft. of Resinous Quartz Flooring
- Substrate: New, 28-day cured concrete.
- Substrate Preparation: The substrate will be thoroughly cleaned and mechanically prepared using HEPA-filtered dust-controlled planetary grinders, diamond grinders, etc., to achieve SSPC-SP13/NACE 6/ICRI CSP5 surface preparation.
- Patching of the deteriorated substrate and non-moving substrate cracking is included.
- Treatment of expansion, isolation, construction joints, and moving cracks is included.
- Saw cut leading edges or transition areas to key the floor into the substrate.
- A customer-selected and approved anti-slip texture will be added to the system for slip resistance.
- Resinous Flooring Material: The Sherwin-Williams Company
  - Slurry/Broadcast: Polycrete SL Urethane Slurry System
    - With quartz broadcast aggregate.
  - Undercoat: Elladur 4850 Polyaspartic SS
    - With quartz broadcast aggregates
  - Grout Coat: Elladur 4850 Polyaspartic SS
  - Sealer: Elladur 4850 Polyaspartic SS

ABOUT SOUTHERN PAINTING & MAINTENANCE SPECIALISTS, INC.:
- Twenty-five years of experience installing high-performance floor systems, wall systems, lining systems, and concrete polishing.
- Quality assurance and specification compliance by working with major resinous surfacing manufacturers.
- Safety Program: Instituted and monitored for the safety of our employees and customers.
- Company & OSHA trained installers.
- Insured and compliant with state and federal regulations.
- Please visit us at www.southernpaintingandsandblasting.com.

Thank you for allowing us to present this O&M information. We look forward to collaborating with you on this and future projects.

Sincerely,

Steve Elliott
Office: 864.232.4010
Mobile: 706.627.0227
steve@southernpainting-sc.com

SHERWIN WILLIAMS® | HIGH PERFORMANCE **FLOORING**

EVERY SPACE IS A PERFORMANCE SPACE.

Every space is a performance space.

Not just theaters and sports arenas.

Hospitals,
airports and schools
are performance
spaces, too.

You're designing these spaces to help people perform better, whether they're doing open-heart surgeries or racing toward gate 58.

We get that.

People need to feel comfortable in a space to be at their best.

Each element, like a dot, has to be connected. That's why the floor plays a crucial role. It's the one continuous element in a space. A well-designed floor connects people to purpose, making them feel safe, comfortable and ready for what comes next.

So let us help you set the stage.

The right floor is essential. But so is the right partner. One with the right experience and expertise to handle any situation. One with a breadth of service capabilities and product offerings to help you create any stage you can imagine.

That's Sherwin-Williams High Performance Flooring.

HIGH PERFORMANCE IS IN THE DETAILS.

Finding the right balance of traction and drainability to avoid slips and falls is tricky. Will heavy grit work best? Perhaps a quick-texture splatter coat would be better. We'll help you decide what's right.

We'll also help you find a specialized installer. One with the skills needed to bring your design to life.

And we'll even teach you how to design for sustainability via our accredited flooring courses. So you can gain more confidence in your specifications – and pick up continuing education credits (CEUs) along the way.

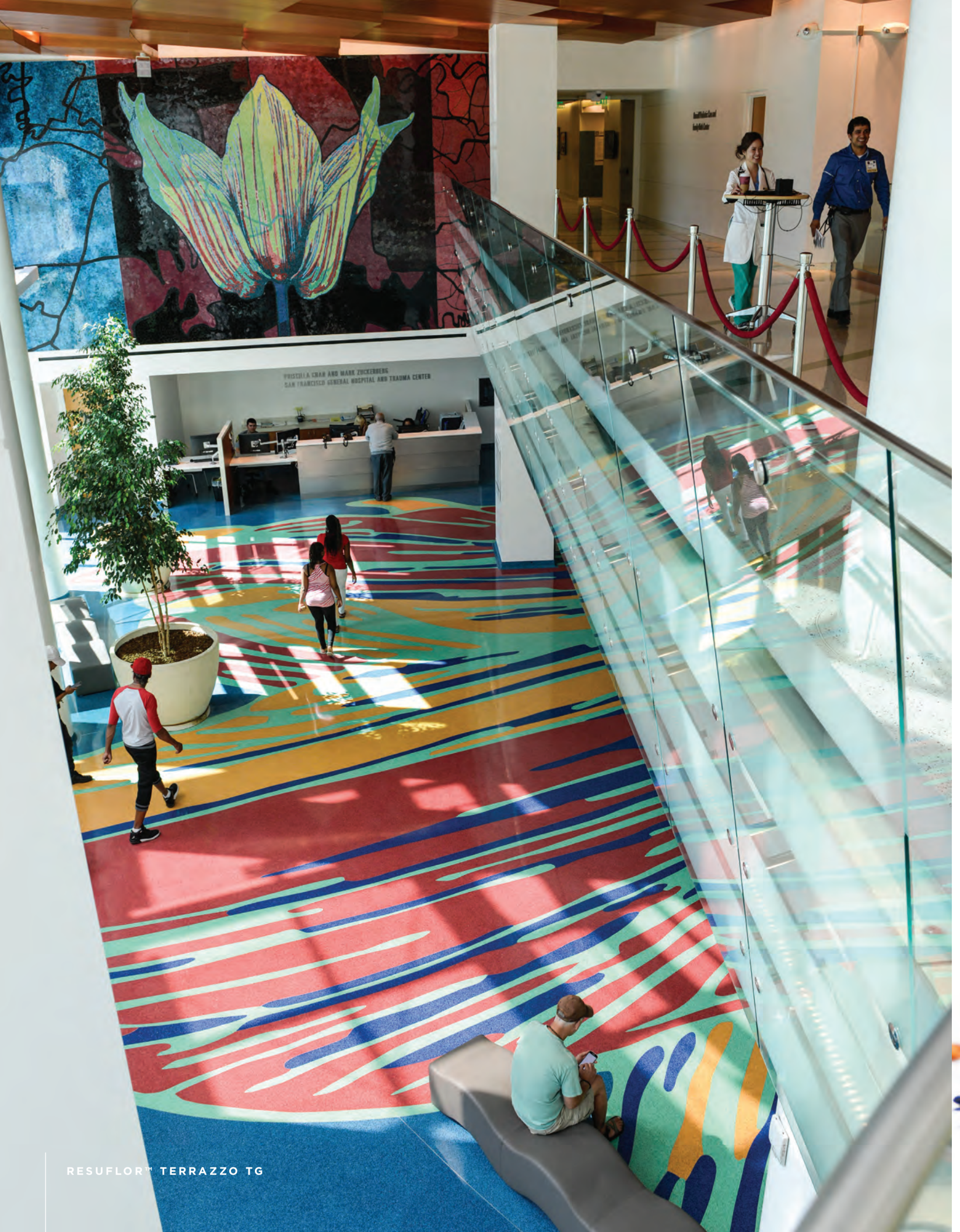
Let our expert flooring professionals guide you from specification to application to future maintenance and beyond.

SPECIALIZED INSTALLERS ARE A CALL AWAY.

Performance takes practice.

It's the action that happens behind the scenes that makes the performance shine. Getting the spec right. Nailing the installation. Figuring out the right maintenance program.

So many variables, from aesthetics to durability. Each consideration requires careful planning. A wrong choice could mean early repairs or a costly replacement – instead of years of uninterrupted service. That's why it's so important to collaborate with a company that's done it all.



RESUFLOR™ TERRAZZO TG

Every floor starts as a blank canvas.

It's up to you to make it shine. And that starts with getting color and design right.

Looking for a specific gray? We'll help you find the exact match from well over 50 shades. We can even duplicate the most difficult red in a corporate logo, precisely dialing in the tint with customizable color matching for any design. And we won't stop trying until you approve the latest samples.

Plus, you can choose from an array of aggregates and fillers for unique design and color combinations for any of our decorative systems.

Your color and design choices are literally unlimited with Sherwin-Williams High Performance Flooring.

BOUNDLESS DESIGNS WITH UNLIMITED COLOR OPTIONS.

Make sure sustainability is more than an encore.

Design it right into your space.

Natural, renewable ingredients. Water-based chemistries. Minimal to no volatile organic compounds (VOCs). Long-lasting durability.

The right flooring options can help protect the environment and the world around us. You just need to find them.

We'll help, with sustainable flooring solutions that deliver long-term performance without using harsh materials. Like water-based formulations with the same or better performance than solvent-based options – and no VOCs. Or coatings made from renewable resources and recycled elements.

Naturally, you'll want credit for being sustainable. LEED® credit, that is. And we'll help you get there, with up to five points coming from low-emitting materials and product disclosure credits. That's more points possible than from any other coatings manufacturer. So you can design with sustainability in mind – and reap the rewards, too.

From airports to sports arenas to breweries,

we help you get the floor right –

no matter how demanding the application.

AIRPORTS

Durable floors that withstand heavy daily traffic and frequent cleaning

ANIMAL CARE FACILITIES

Abrasion-resistant floors that endure harsh cleanings and enhance safety

AUTOMOTIVE SHOWROOMS AND AIRPLANE HANGARS

Diverse flooring solutions that deliver aesthetics and performance

FOOD AND BEVERAGE FACILITIES

Floors designed to maintain clean, safe and compliant environments

MOISTURE MITIGATION APPLICATIONS

Flooring systems that control moisture and enable earlier installations on green concrete

SCHOOLS AND UNIVERSITIES

Decorative and conventional floors offering both form and function

CONVENTION CENTERS AND HOTELS

Seamless floors with unlimited design and color options

DATA CENTERS

Floors that help reduce static electricity to protect electronics

HEALTHCARE FACILITIES

Sterilizable floors promoting hygiene in diverse healthcare environments

MANUFACTURING

Durable floors with the abrasion and impact resistance to handle heavy equipment

SPORTS ARENAS

Lasting floors with stunning aesthetics

DECORATIVE FLOORING SYSTEMS

Timeless beauty with superior protection.

A full palette of design options, from terrazzo to mosaics. Unlimited color choices. The tools you need to create customized designs. And all of it with materials that are tough enough to resist chemicals, stains, moisture and anything else a space can throw at it.

From distinguished terrazzo to decorative mosaics, you can turn your floors into works of fine art. And they'll look great over the long haul so you can minimize maintenance needs and future costs.

TERRAZZO

Realize an unlimited color palette and design possibilities with styles ranging from contemporary to classic and bold to conservative – plus a low life-cycle cost.

DECO QUARTZ

Achieve a unique style and distinctive fine granule appearance with a customized blend of colored quartz and clear resin.

DECO FLAKE

Focus on aesthetics while watching your bottom line with embedded multicolored vinyl chips offering an alternative to solid color floor coatings.

SOFTOP™

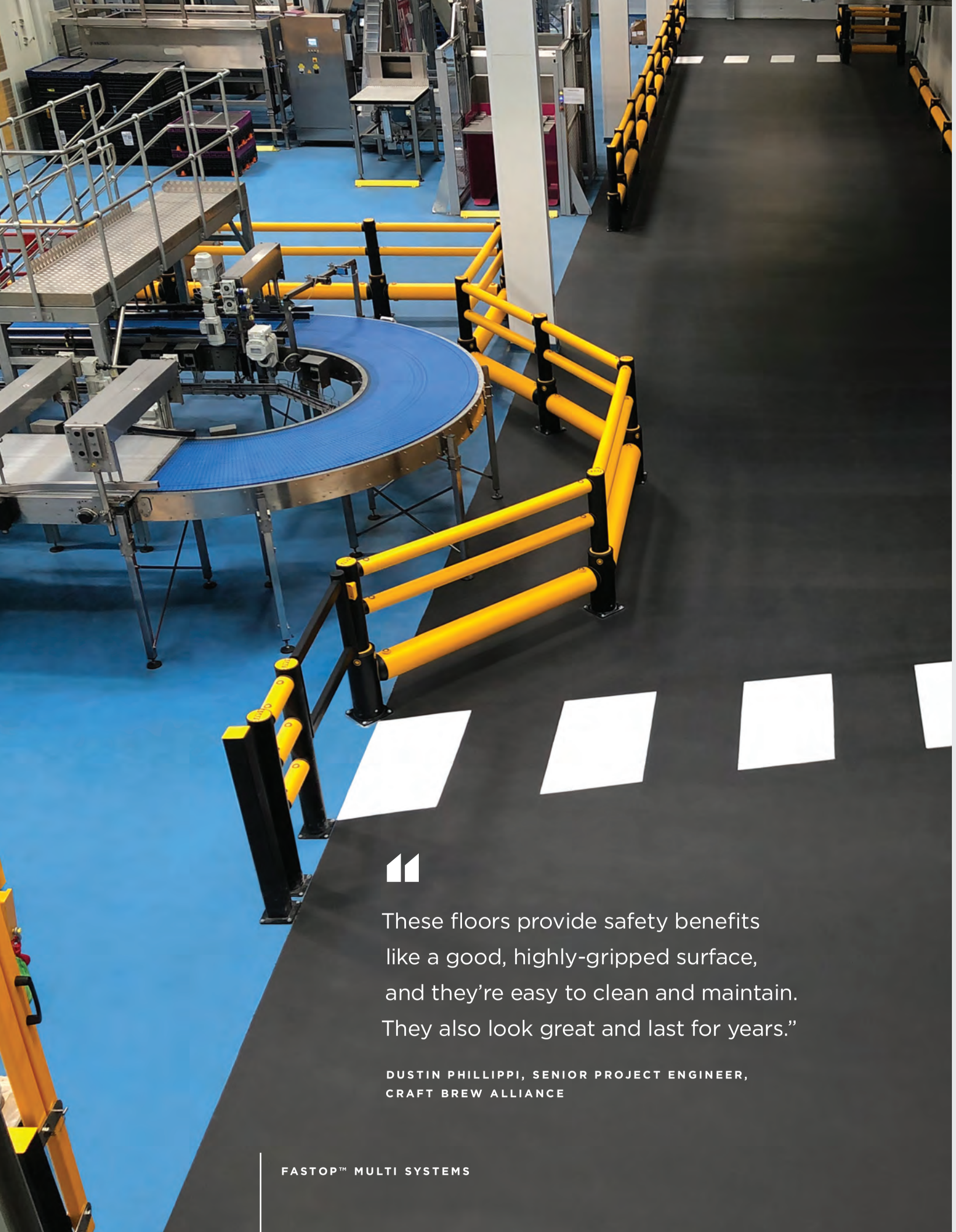
Deliver ergonomic comfort and noise reduction compared to other traditional hard-surface floor systems – with beauty, too.

RESUFLOR™ TOPCOAT METALLIC

Combine select resins with metallic pigments to create durable floors with decorative value for moderate service conditions.

> Sherwin-Williams has the best product reps in the business. Whether it's a question of specifications or color samples, they are always extremely helpful."
>
> **ERIC LINNER, AIA, LEED AP BD+C, ASSOCIATE, WOLD ARCHITECTS AND ENGINEERS**

RESUFLOR™ TERRAZZO TG



“These floors provide safety benefits like a good, highly-gripped surface, and they’re easy to clean and maintain. They also look great and last for years.”

DUSTIN PHILLIPPI, SENIOR PROJECT ENGINEER, CRAFT BREW ALLIANCE

FASTOP™ MULTI SYSTEMS

INDUSTRIAL FLOORING SYSTEMS

Designed and engineered to be abused.

High abrasion, harsh chemicals, thermal shock, extreme temperature changes – bring it on.

Food service operations? No problem. We have floors that handle a constant barrage of oils and grease and withstand the harshest cleaning processes. Warehouses where heavy equipment threatens a floor’s integrity? Check. The most aggressive environment you’ve ever designed for? We’ve got it covered.

Choose from a wide range of flooring systems for virtually any industrial application – from warehouses to parking decks to manufacturing operations. Get the performance you demand, and say goodbye to downtime.

RESUFLOR™ AQUA

Achieve 100 times the permeability of standard epoxies with breathable systems that control moisture and can be applied to green concrete – in a revolutionary water-based system.

RESUFLOR™ TOPCOAT AC

Achieve excellent gloss retention, UV color stability, and chemical and stain resistance with a thin-mil, light-reflective finish.

RESUFLOR™ TOPCOAT TX

Resist wear patterns in high-traffic areas and maintain chemical and color (UV) stability to extend flooring life expectancies.

RESUFLOR™ TOPFLOOR FX

Get the flexibility you need for high-impact industrial flooring applications to bridge cracks, resist abrasion and combat thermal shock.

RESUFLOR™ TOPFLOOR SL

Provide superior protection for moderate service conditions – especially aisles – in skid-inhibiting or smooth finishes.

RESUFLOR™ SCREED

Gain added strength with epoxy flooring that’s harder and more durable than concrete and withstands aggressive wear, impact and thermal shock.

FASTOP™ MULTI SYSTEMS

Deliver fast installations, quick returns to service and long-lasting performance with rapid-curing systems that provide excellent chemical resistance and moisture tolerance.

DURABLE, FLEXIBLE FLOORING SYSTEMS KEEP WATER AT BAY.

Win the war against water.

Moisture hitting a floor is on a constant prowl with gravity, looking to sneak into cracks and reach occupied spaces below. But you can stop water in its path – and defy gravity in the process – with the right defense.

We offer flooring systems that combine crack bridging and waterproofing capabilities with superior durability. So water doesn't stand a chance.

Choose from a wide range of urethane and epoxy-based liquid-applied membrane coatings to waterproof a variety of areas. All with the flexibility you need for high-impact industrial flooring applications.

RESUFLOR™ TOPFLOOR MER

Protect parking decks, mechanical equipment rooms, sump areas and much more from water infiltration and early deterioration.

> Having Sherwin-Williams behind us adds a sense of security for the end user that is unlike any other manufacturer that we currently work with."

MIKE STEINWERT, AREA SALES MANAGER, OMNITECH INDUSTRIES

WALL AND CEILING SYSTEMS

Seamless. Integrated. Cleanable. From top to bottom.

Cleanability is critical in many coating applications. For preventing the contamination of food or pharmaceutical products in processing facilities. Or lowering risks related to hospital-acquired infections.

That's true for more than floors. Walls and ceilings count, too. So you need to create seamless, integrated wall and floor systems in these environments. Then, you'll enhance cleanability and safety for consumers, workers and the environment.

Featuring smooth and continuous films, these systems ensure facilities can properly clean and disinfect all surfaces – from the ceiling to the floor. They also help reduce water and chemical usage.

Find the right combination of high-build capabilities, reinforcement options and flexibility to enhance cleanability in your space.

RESUWALL™

Create a multilayer, water-based, high-build wall and ceiling surface using an epoxy base coat and an optional water-based polyurethane finish coat.

RESUWALL™ DECO FLAKE

Install a functional, yet aesthetic, floor system with a mosaic broadcast for pharmaceutical, research and biotech applications.

RESUWALL™ FR

Gain tough resistance to harsh cleaning processes on walls and ceilings with this fiber-reinforced epoxy resin system for demanding environments.

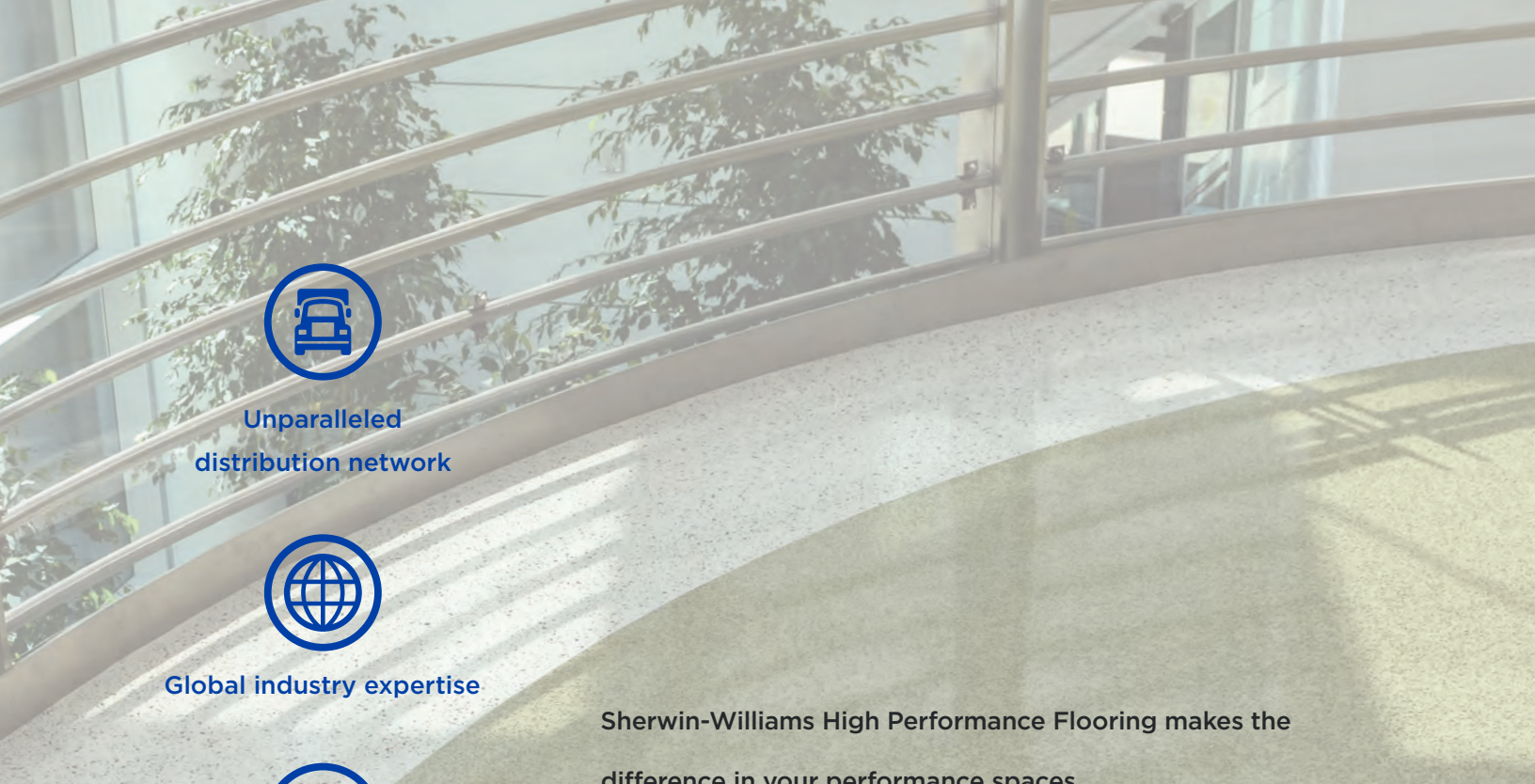
RESUWALL™ FX

Provide superior crack bridging and impact resistance with a flexible epoxy membrane as a base and a high-solids urethane enamel topcoat.

RESUWALL™ GR

Achieve dimensional stability and greater durability with fiberglass mesh reinforcement included in this multilayer, high-build wall and ceiling surfacing system.

RESUWALL™ AQUA FR



Unparalleled distribution network

Global industry expertise

Most extensive sales organization coverage

Unmatched technical and specification service

Sherwin-Williams High Performance Flooring makes the difference in your performance spaces.

With unique, sustainable flooring solutions. Unlimited color and design options. And the resources to bring your artistic vision to life. All while helping you maintain the highest level of performance – from the ground up.

We also make the difference for much more than flooring. Like our structural steel and passive fire protection coatings for high-value infrastructure. Or any of our protective coating solutions that help you protect lives, enhance safety, safeguard assets and create a lasting aesthetic legacy. No matter the venue or location. Sherwin-Williams delivers the expertise to ensure your project is a success.

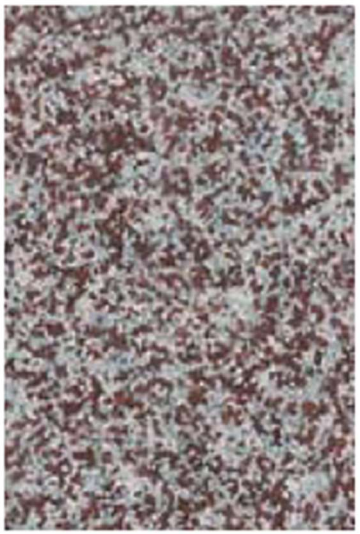
sherwin-williams.com/resin-flooring | swflooring@sherwin.com

SHERWIN WILLIAMS® | HIGH PERFORMANCE **FLOORING**

United States and Canada

PM-386754-BR 05/21

- **FLOOR COLOR**



313 Flintrock

JOINT COLOR

-

FINISH SCHEDULE - FIRST FLOOR

ABBREVIATIONS:

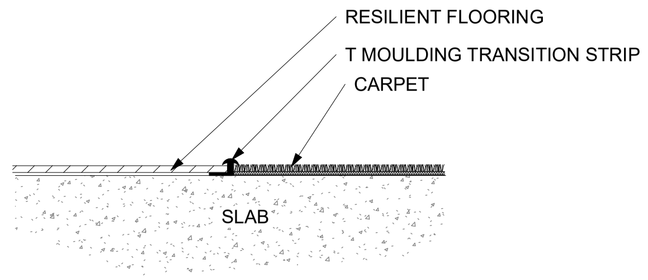
ACP	ACOUSTICAL CEILING PANELS	EPT	ENAMEL PAINT	IHP	INTERIOR HIGH PERFORMANCE COATING	RCP	REFLECTED CEILING PLAN	UND.	UNDERLAYMENT BOARD
BRK	BRICK	EHP	EXTERIOR HIGH PERFORMANCE COATING	IPT	INTERIOR PAINT SYSTEM	SHTG	SHEATHING	VRN	VARNISH
CFT	CERAMIC FLOOR TILE	EPT	EXTERIOR PAINT SYSTEM	MAR	MARBLE	SLT	SLATE	VCT	VINYL COMPOSITION TILE
CWT	CERAMIC WALL TILE	ES	EXPOSED STRUCTURE	N/A	NOT APPLICABLE (NONE)	S	STAIN	VS	VINLY SHEET FLOORING
CMU	CONCRETE MASONRY UNIT	FF	FACTORY FINISH	PC	POLISHED CONCRETE	SR	STEEL RAILING	WC	WALL COVERING
CPT	CARPET	GBB	GYPSUM BACKING BOARD	PLAS.	PLASTER	SFS	STOREFRONT SYSTEM	WD.	WOOD
CPT-T	CARPET TILE	GFP	GLASS FIBER PANEL	PT.	PAINT	SS	SOLID SURFACE MATERIAL	WOM	WALK OFF MAT
CS	CONC. SEALER	GYP	GYPSUM BOARD	PLYWD.	PLYWOOD.	STN	STONE	WP	WOOD PANEL
CONC.	CONCRETE	GYP.X	GYPSUM BOARD, TYPE "X"	QT	QUARRY TILE	TRZ	TERRAZZO	LVT	LUXURY VINYL TILE
CPNL	COOLER PANEL	HPC	HIGH PERFORMANCE COATING	RB	RUBBER BASE	U	UNFINISHED		

NOTE: AN ABBREVIATION PRECEDED WITH AN "E" INDICATES AN EXISTING CONDITION, MATERIAL, FINISH, ETC.

SPACE		FLOOR		BASE			WAINSCOT				WALLS								CEILING				REMARKS
											NORTH		EAST		SOUTH		WEST						
RM.NO.	ROOM NAME	MAT'L.	FIN	MAT'L.	FIN	TYPE	MAT'L.	FIN	TYPE	C.R. TYPE	MAT'L	FIN	MAT'L	FIN	MAT'L	FIN	MAT'L	FIN	MAT'L	FIN	HEIGHT	CORN TYPE	
FIRST FLOOR																							
101	VESTIBULE	WOM	FF	-	-	-	-	-	-	-	SFS	FF	SFS	FF	SFS	FF	SFS	FF	GYPX	PT	11'-0"	-	WALK-OFF MAT
102	LOBBY/RECEPTION	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	WD/GYPX	PT	VARIES	-	
103	RECEPTION	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	WD/GYPX	PT	VARIES	-	
104	OFFICE	CPT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
105	EXEC. DIR. OFFICE	CPT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
106	STAFF MEETING	CPT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
107	COPY	CPT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
108	OFFICE	CPT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
109	OFFICE	CPT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
110	GAME ROOM	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	
111	RISER RM	CONC	CS	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	CMU	PT	GYPX	PT	ACP	FF	9'-0"	-	
112	CORRIDOR	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	
113	MAIN ELEC.	CONC	CS	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
114	ACTIVITY ROOM	LVT	PC	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	
115	STORAGE	CONC	CS	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
116	EQUIP. STORAGE	IHP	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	SW RESURFLOR
117	PANTRY	IHP	FF	IHP	FF	-	-	-	-	-	GYPX	PT	SR	PT	SR	PT	SR	PT	ACP	FF	10'-0"	-	SW RESURFLOR
118	FOOD PREP	IHP	FF	IHP	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	SW RESURFLOR
119	WAREWASHING	IHP	FF	IHP	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	SW RESURFLOR
120	REFS/FRZRS	IHP	FF	IHP	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	SW RESURFLOR
121	DINING ROOM	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	WD/GYPX	PT	VARIES	-	
122	MEN'S RESTROOM	CFT	FF	CWT	FF	-	-	-	-	-	CWT	FF	CWT	FF	CWT	FF	CWT	FF	GYPX	PT	9'-0"	-	
123	WOMEN'S RESTROOM	CFT	FF	CWT	FF	-	-	-	-	-	CWT	FF	CWT	FF	CWT	FF	CWT	FF	GYPX	PT	9'-0"	-	
124	R. PASSAGE	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
125	RECREATION	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	
126	MDF	CONC	CS	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
127	CORRIDOR	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	
128	ADULT LARGE CLASSROOM	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	
129	STORAGE	CONC	CS	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
130	JAN. CLOS.	CONC	CS	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	9'-0"	-	
131	ACTIVITY ROOM	LVT	FF	RB	FF	-	-	-	-	-	GYPX	PT	GYPX	PT	GYPX	PT	GYPX	PT	ACP	FF	10'-0"	-	

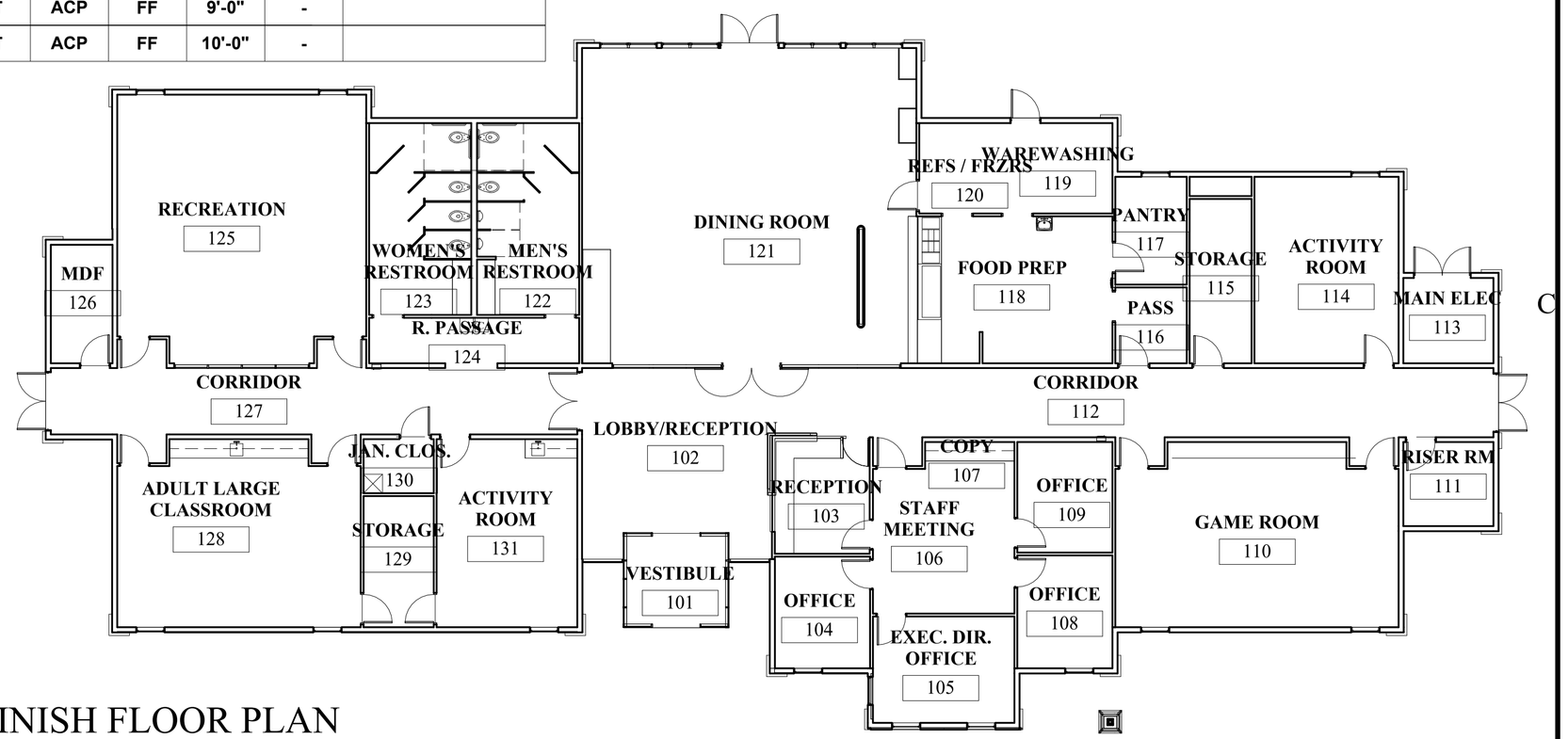
FINISH LEGEND

- POLISHED CONCRETE
- CERAMIC FLOOR TILE
- CARPET TILE
- VINYL COMPOSITION TILE



B4 / A9.1 — TYP. THRESHOLD DTL. LVT TO CPT

SCALE: 6" = 1'-0"



FINISH FLOOR PLAN

SCALE: 3/32" = 1'-0"

GM Architect
102 Sammy Court
WARNER ROBINS, GEORGIA 31099
glmarch@outlook.com
(478)-365-8976

ARCHITECT — STATE OF GEORGIA — GARY L MCNUTT — CERTIFICATE NO. 8370 — REGISTERED ARCHITECT — STAMP INVALID UNLESS SIGNED

AERYN design
CONSULTANT
7003 Parkway Lane
Nampa, Idaho 83687
janelle@aeryndesign.com
(541)-678-9062

SUNBELT BUILDERS
DESIGN BUILDER
10641 Highway 36
Covington, Georgia
30014

FINISH SCHEDULES, FINISH FLOOR PLAN & DETAILS

New Facility
Newton County Enrichment Center

Richard Chapel Road
Covington, Georgia

JOB NO.:	2309
DRAWN BY:	GM
CHECKED BY:	GM
DESCRIPTION:	SCH-REVIEW
DATE:	02.12.24
DESCRIPTION:	DD-REVIEW
DATE:	03.11.24
DESCRIPTION:	CD-REVIEW
DATE:	03.25.24
DESCRIPTION:	BID & CONSTRUCTION
DATE:	04.04.24 / 07.03.2024 VE
REVISIONS:	
1	
2	
3	
4	
5	
6	
7	

SHEET
A9.1
OF 5

GENERAL PARTITION NOTES:

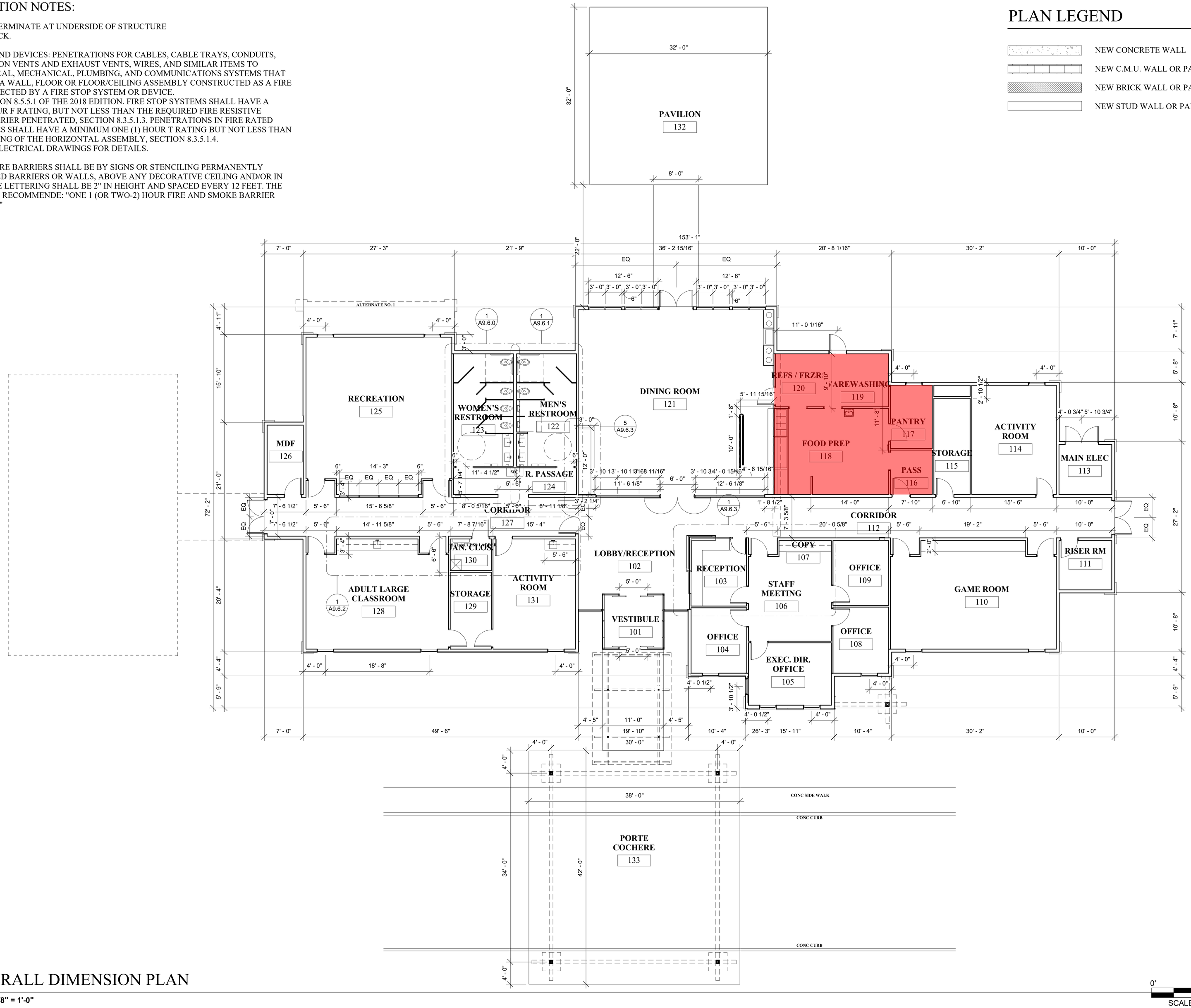
(1) ALL PARTITIONS TO TERMINATE AT UNDERSIDE OF STRUCTURE FLOOR AND/OR ROOF DECK.

(2) FIRE STOP SYSTEMS AND DEVICES: PENETRATIONS FOR CABLES, CABLE TRAYS, CONDUITS, PIPES, TUBES, COMBUSTION VENTS AND EXHAUST VENTS, WIRES, AND SIMILAR ITEMS TO ACOMMODATE ELEVTRICAL, MECHANICAL, PLUMBING, AND COMMUNICATIONS SYSTEMS THAT PASS INTO OR THROUGH A WALL, FLOOR OR FLOOR/CEILING ASSEMBLY CONSTRUCTED AS A FIRE BARRIER SHALL BE PROTECTED BY A FIRE STOP SYSTEM OR DEVICE.
LIFE SAFETY CODE SECTION 8.5.5.1 OF THE 2018 EDITION. FIRE STOP SYSTEMS SHALL HAVE A MINIMUM OF ONE (1) HOUR F RATING, BUT NOT LESS THAN THE REQUIRED FIRE RESISTIVE RATING OF THE FIRE BARRIER PENETRATED, SECTION 8.3.5.1.3. PENETRATIONS IN FIRE RATED HORIZONTAL ASSEMBLIES SHALL HAVE A MINIMUM ONE (1) HOUR T RATING BUT NOT LESS THAN THE FIRE RESISTIVE RATING OF THE HORIZONTAL ASSEMBLY, SECTION 8.3.5.1.4.
SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILS.

(3) IDENTIFICATION OF FIRE BARRIERS SHALL BE BY SIGNS OR STENCILING PERMANENTLY INSTALLED ON ALL RATED BARRIERS OR WALLS, ABOVE ANY DECORATIVE CEILING AND/OR IN CONCEALED SPACES. THE LETTERING SHALL BE 2" IN HEIGHT AND SPACED EVERY 12 FEET. THE FOLLOWING WORDING IS RECOMMENDE: "ONE 1 (OR TWO-2) HOUR FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS."

PLAN LEGEND

- NEW CONCRETE WALL
- NEW C.M.U. WALL OR PARTITION
- NEW BRICK WALL OR PARTITION
- NEW STUD WALL OR PARTITION



OVERALL DIMENSION PLAN

SCALE: 1/8" = 1'-0"

PROJ NORTH

0' 4' 8'
SCALE IN FEET

GM
Architect
102 Sammy Court
WARNER ROBINS, GEORGIA 31099
glmarch@outlook.com
(478)-365-8976

ARCHITECT
STATE OF GEORGIA
GARY L MCNUTT
CERTIFICATE NO. 8310
REGISTERED ARCHITECT
STAMP INVALID UNLESS SIGNED

AERYN design
CONSULTANT
7003 Parkway Lane
Nampa, Idaho 83687
janelle@aeryndesign.com
(541)-678-9062

SUNBELT BUILDERS
DESIGN BUILDER
10641 Highway 36
Covington, Georgia
30014

OVERALL DIMENSION PLAN

New Facility
Newton County Enrichment Center

Richard Chapel Road
Covington, Georgia

JOB NO.:	2309
DRAWN BY:	GM
CHECKED BY:	GM
DESCRIPTION:	SCH-REVIEW
DATE:	02.12.24
DESCRIPTION:	DD-REVIEW
DATE:	03.11.24
DESCRIPTION:	CD-REVIEW
DATE:	03.25.24
DESCRIPTION:	BID & CONSTRUCTION
DATE:	04.04.24 / 07.03.2024 VE
REVISIONS:	
1	
2	
3	
4	
5	
6	
7	

SHEET
A1.2
OF 5

DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

PRODUCT DATA SHEET

95 Goodwin Street
East Hartford, CT 06108

Tel: 800-253-3539 • Fax: 860-528-2802 • www.dur-a-flex.com • contact_us@dur-a-flex.com

POLY-CRETE SLB

DESCRIPTION

POLY-CRETE SLB (self leveling broadcast) is a 100% solids aromatic cementitious urethane system with a quartz aggregate broadcast. This system is typically installed at a nominal thickness of 3/16 inches. This should be determined by service, cleaning temperatures, severity of traffic, point impact and loadings. A topcoat(s) of DUR-A-FLEX epoxy, urethane or methyl methacrylate is used depending on performance requirements.

BENEFITS

- VOC Compliant
- CA 01350 Air Quality Compliant
- ADA Compliant
- Leed Credit Points Available
- Meets USDA, FDA and CFIA standards
- Hygienic - Does Not Harbor Bacteria
- High Chemical & Abrasion Resistance
- Self-Priming
- Wide Service Temperature Ranges
- Can Be Applied To 7-14 Day Old Concrete

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 85°F. Substrate must be clean, sound and dry.

TYPICAL USES

POLY-CRETE SLB is designed to protect concrete, polymer reinforced screeds and water-resistant plywood from chemical attack, corrosion, impact and thermal shock. It is also unaffected by freeze/thaw cycles.

- Wet Areas
- Commercial Kitchens and Restaurants
- Meat/Poultry and Dairy Processing
- Pharmaceutical Plants
- Processing Areas
- Exterior Applications
- Automotive Service Bays

COLORS

Refer to the Color Selection Charts wide range of standard colors, special color matches may be available.

PACKAGING & STORAGE CONDITIONS

POLY-CRETE SLB is available in pre-measured kits that cover 55 Sq Ft at 1/8 inch for 3/16 inch finished thickness after broadcast and topcoat. Topcoat resins are packaged in 1 gallon, 5 gallon and 50 gallon quantities. POLY-CRETE COLOR-FAST, TF PLUS and ARMOR TOP topcoats are supplied in pre-measured kits. POLY-CRETE SLB must be stored dry. Do not use partial bags of aggregate. Do not allow resins to freeze. Every POLY-CRETE product will be shipped with a lot number on the label. The first two digits indicate the year; the second two show the month, the third two will be the day. The shelf life is 6 months from the date on the label in the original unopened container.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. When broadcasting F60 aggregate or if the substrate is very porous the substrate must be primed with Poly-Crete TF Plus to prevent outgassing. Please refer to the Surface Preparation Guide and system Application Instructions on our website for more information.

APPLICATION METHOD

POLY-CRETE SLB is applied to a properly prepared area at the required thickness using a “V” notched squeegee. The freshly placed material is then loop rolled into which the proper size quartz aggregate is broadcast to excess to achieve the desired profile. Allow a minimum of 10 hours for the Base Coat to cure before sweeping, sanding or vacuuming. Apply the desired pigmented coat(s) to achieve the required finish. POLY-CRETE COLOR-FAST, POLY-CRETE TF PLUS, DUR-A-GLAZE NOVOLAC, ACCELERA, and DUR-A-GLAZE SHOP FLOOR with ARMOR TOP can be used to topcoat POLY-CRETE SLB systems.

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three part guide specs.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

JOINT GUIDELINES

For complete details please refer to the Joint Guidelines on our website.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for Poly-Crete floor systems are 20 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869or 99% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

CHEMICAL RESISTANCE

POLY-CRETE SLB has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, as well as aromatic and aliphatic solvents. See Chemical Resistance Chart for resistance with specific topcoats.

CLEANING

Regular scrubbing will maintain these systems in serviceable condition. However, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website for more information.

	Poly-Crete COLOR-FAST	DUR-A-GLAZE NOVOLAC	SHOP FLOOR w/ ARMOR TOP	POLY-CRETE TF PLUS
Cure Time @ 70°F Full Service	3 Days	24 hours	See application instructions	3-5 Days
Mix Ratio (by volume)	3 Component Kit	1 part hardener, 2 parts resin	See application instructions	3 Component kit
Working time @ 70°F	20 minutes	30 minutes	See application instructions	15 minutes
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond	>400 psi, concrete fails before loss of bond	>400 psi, concrete fails before loss of bond	>400 psi, concrete fails before loss of bond
Heat Resistance Limit	220°F	250°F	200°F	220°F
Available Colors	Blue, Green, Charcoal, Grey, Dark Grey, Red, Chestnut	Medium Grey, Tile Red, Charcoal Grey, Slate Grey, Concrete Grey, Clear	See standard color chart	See Poly-Crete standard color chart

Physical Property	Test Method	Poly-Crete COLOR-FAST	DUR-A-GLAZE NOVOLAC	SHOP FLOOR w/ ARMOR TOP	POLY-CRETE TF PLUS
Hardness (Shore D)	ASTM D-2240	65 D	86-90 D	75-80 D	75-80 D
Compressive Strength	ASTM C-579	9,000 psi	14,000 psi	12,500 psi	9,000 psi
Tensile Strength	ASTM D-638	4,200 psi	2,500 psi	4,000 psi	2,175 psi
Impact Resistance	ASTM D-3134	Pass	Pass	Pass	Pass
Flexural Strength	ASTM D-790	5,076 psi	5,500 psi	6,250 psi	5,076 psi
Abrasion Resistance CS17 Wheel 1000 GM Load 1,000 Cycles		ASTM D-4060 30 mg loss	ASTM D-1044 75 mg loss	ASTM D-4060 4 mg loss (gloss finish, with grit)	ASTM D-4060 50 mg loss
Static Coefficient of Friction*	ANSI B101.1	>0.6	>0.6	>0.6	>0.6
Dynamic Coefficient of Friction - Wet*	ANSI A326.3	>0.42	>0.42	>0.42	>0.42
VOC Content		0 g/L	0 g/L	0 g/L	0 g/L
Indoor Air Quality		CA 01350 Compliant	CA 01350 Compliant	CA 01350 Compliant	CA 01350 Compliant
Water Absorption	ASTM D-570	0.04%	0.05%	0.04%	0.04%

*Dur-A-Flex flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Dur-A-Flex territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT **DUR-A-FLEX.COM** FOR THE LATEST VERSION

DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

APPLICATION INSTRUCTIONS

95 Goodwin Street
East Hartford, CT 06108

Tel: 800-253-3539 • Fax: 860-528-2802 • www.dur-a-flex.com • contact_us@dur-a-flex.com

POLY-CRETE SLB

IMPORTANT! Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. DUR-A-FLEX, Inc. maintains a Technical Staff that will be glad to answer your questions and give you advice pertaining to your particular installation. Large areas will require two or more mixers.

POLY-CRETE SLB is a 100% solids aromatic cementitious urethane system with a broadcast aggregate. This system is installed at 3/16" thick. POLY-CRETE SLB uses a natural quartz aggregate. **NOTE:** Do not apply at a temperature below 60°F (10°C) or above 85°F (29°C).

STORAGE CONDITIONS

POLY-CRETE SLB must be stored dry. Exposure of the aggregate to moisture for an extended period will cause lumps. Do not allow resins to freeze. Frozen (crystallized) hardener must be heated above 100°F to melt crystals. The shelf life is 1 year from the date on the label in the original unopened containers.

SURFACE PREPARATION

Surface should be profiled, clean, dry, oil free and sound; Shot Blasting is the preferred preparation method. Please refer to the master Surface Preparation Guide on our website for more information. Never feather edge POLY-CRETE SLB, always terminate in keyway groove at doorways and exposed edges. Refer to architectural drawings for details. Do not apply at temperatures below 60°F or above 85°F.

NOTE: For each application of material and before mixing, mark your batches to ensure you achieve your spread rate targets. This is best accomplished by dividing your target spread rate by the width of the area being coated (or your planned wet edge). Example: If your spread rate is 100 square feet and your area is 20 feet wide you would make a mark every 5 feet (100 divided by 20 = 5).

MIXING AREA

Select a convenient mix area as close as possible to the application area and protect the surface from spillage by covering with a layer of cardboard and/or a sheet of plastic. Be generous with the amount of space allocated for this function. Do not mix this product in direct sunlight or when temperatures exceed 80ºF. Exposure to high temperatures will greatly reduce the working time of this product. **DO NOT MIX UNTIL READY FOR IMMEDIATE USE.**

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

PRIMER

Priming or sealing of the substrate is typically not required however substrate must be primed with POLY-CRETE TF PLUS when broadcasting F60 aggregate or if the substrate is very porous (allow to cure a minimum of 6 hours @70°F) to prevent resins from being absorbed prematurely by substrate.

APPLICATION METHOD

POLY-CRETE SLB is applied by ½" V-notched squeegee method", and is typically applied at a thickness of 1/8". With broadcast and topcoat, POLY-CRETE SLB has a nominal finished system thickness of 3/16". Lay out installation in sections to allow full width to be finished in 15 minutes (@70°F) or less to assure absence of placement lines.

A. POLY-CRETE TF PLUS is supplied in pre-measured units consisting of one pail of resin, one pail of hardener and one bag of aggregate (powder) - a mixed kit yields ~55 sq ft of coverage. Pour the POLY-CRETE TF PLUS resin into a 2-gallon pail; scrape bottom and sides with a mix stick to assure that all material is transferred to the mix bucket. Use the Poly-Crete pail to scrape the mix stick, never scrape mix stick on the side of the mix pail. Measure 1/4 oz of POLY-CRETE HF ACCELERATOR and add it to the mix bucket. Pour the entire POLY-CRETE TF PLUS hardener into the center of the mix bucket. Using a ½" 750 RPM drill with a 4" dispersion blade, mix the resin and hardener for 30 seconds. Slowly add the POLY-CRETE TF PLUS aggregate to the resin and hardener and mix at 750 RPM for 1 minute. **PRODUCT MUST BE MIXED WITH A 4" DISPERSION BLADE AND A ½" VARIABLE SPEED 750 RPM DRILL. *DO NOT ADD HARDENER TO RESIN UNTIL BATCH IS READY FOR MIXING*. *FAILURE TO ADD ALL POLY-CRETE TF PLUS POWDER WILL RESULT IN IMPROPER CURE OF MATERIAL***
B. Pour the entire batch in two 4-6" ribbons along the starting point.
C. Using a 3" chip brush cut in along edges, drains, and doorways.

D. Roll the material with an 18" 3/8" nap roller at 40 to 60 SF/kit depending on substrate texture and porosity.

E. Cross roll the material to remove any puddles and achieve a uniform thickness. Allow to cure for 4 hours @ 70°F before proceeding to the next application.

BASECOAT

F. POLY-CRETE SLB is supplied in pre-measured units consisting of one pail of resin, one pail of hardener and one bag of aggregate (powder). Pour resin into a 5-gallon pail; scrape bottom and sides to assure that all pigment is transferred. (If using POLY-CRETE NATURAL SL with pigment add the pigment to the resin and hardener.) The resin and hardener should be pre-blended for approximately 30 seconds. A 4-inch dispersion blade is recommended for this product together with a high speed drill 750rpm minimum to shear the cement based aggregate into the system and avoid lumps. Gradually add aggregate until a homogeneous mix is attained. (Approximately 1 minute) THOROUGH BLENDING IS MANDATORY. A properly mixed batch applies easier and has a uniform surface appearance. Incomplete mixing will cause an inconsistent finish or possible blistering. Have three mixing buckets that are rotated to assure minimum time between mixes. To avoid irregular curing or blisters, regularly clean the mixing blade and pail to avoid combining fresh material with older batches. Material should be applied directly onto the wet edge immediately after mixing.

G. When applying on level or surfaces sloped up to ¼"/foot, the product is used as supplied. For more steeply sloped surfaces such as ramps that are up to 3/4 inch/foot, adding 3 quarts of Q11 (QRok #3) to each mix will prevent sagging while still providing a uniform surface after loop rolling.

H. Pour the entire batch onto the floor and spread with a 18"x ½ v notched squeegee. To avoid transition lines between mixes, it is very important that the material is poured directly onto the wet edge.

I. Trowel edges, drains and around equipment supports with an even pressure and a low angle trowel in a sweeping motion to complete troweling. This ensures that new batches of material are blended together with no transition lines for continuity of finish.

J. Immediately roll and then cross roll with an 18" loop roller to eliminate lines and help release air.

K. Loop Rolling must be completed immediately after leveling of material to eliminate any residual roller marks in the finished surface (Within 12 minutes of mixing at 70° F).

L. The aggregate must be broadcast UP into the air while dispersing evenly and vertically at an approximate rate of 0.8 pounds per sq. ft. into the wet surface (0.5 lbs. for F-60). **Wait approximately 15 minutes before broadcasting into Poly-Crete SL to ensure air has been released. Broadcasting too quickly will result in air entrapment.** Do not loop roller areas that have been broadcast.

The time window at which SLB is broadcast is extremely critical:

- **at 80°-90° F you have 20 minutes in which to finish the broadcast**
- **at 70°- 80° F you have 25 minutes in which to finish the broadcast**
- **at 55° - 65° F you have 30 minutes in which to finish the broadcast**

- **Too early and the surface may become uneven**
- **Too late and the aggregate may not penetrate into the matrix surface.**
- **Allow to cure for a minimum of 8hrs (@70°F). Remove excess aggregate by brush. (Do Not Sand)**

PREPARATION OF PLYWOOD FOR APPLICATION OF POLY-CRETE SLB

1. Plywood should be new and free of contamination (clean and dry). Marine grade plywood is recommended.
2. Installations over existing concrete or substrates with a possible chance of moisture contamination transfer should be isolated using a polyethylene vapor barrier; all joints should be taped according to manufacturer's instructions. Raised platforms should have consideration for airbricks in outside walls to reduce the risk of excessive dampness.
3. It is recommended that 2 layers of plywood be installed offset at joints to reduce flexing between joists. Plywood should be at least ¾" thick.
4. Plywood should be positively fastened with high quality construction adhesive and recessed screws at 6" on center screw pattern.
5. Bandage joints using a mixture of ELAST-O-COAT 100% solids epoxy and NO SAG #1, embedding a minimum of 8" of close weave fiberglass matting into the wet resin.
6. All key ways should be installed by using a Skill type saw with a ¼" wide blade set to ¼" deep. (Concrete diamond cutting blades will burn and not cut wood)
7. Any drain detail must be keyed a minimum 2 inches away from the drain edge with the outside exposed edge removed to a slope using a wood chisel. Doorway thresholds should be treated in a similar way to allow a smooth transition for the termination of the material.
8. Detail such as cold joints should also be cut using a Skill saw detail as per concrete CAD drawing detail.
9. Plywood should be thoroughly vacuumed prior to installation.

TOPCOAT INSTRUCTIONS

POLY-CRETE COLOR-FAST, POLY-CRETE TF PLUS, DUR-A-GLAZE NOVOLAC, ACCELERA or DUR-A-GLAZE SHOP

FLOOR WITH ARMOR TOP is used to top coat POLY-CRETE SLB systems. Refer to their respective Product Data Sheets and/or Application Instructions for application details.

CURE

Allow a minimum of 8 hours cure before light foot traffic at 70°F, and a minimum of 24 hours is required at 50°F. Additional time must be allowed for heavier loads or lower temperatures. Contact the DUR-A-FLEX Technical Department for more information.

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT **DUR-A-FLEX.COM** FOR THE LATEST VERSION

CAUTION! As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.

In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").

To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including, using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.
Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.

SHERWIN WILLIAMS | HIGH PERFORMANCE FLOORING

ACCELERA® 4850
POLYASPARTIC SS

PART A GP4850
PART B GP4850B01
SERIES HARDENER

Revised: November 19, 2024

PRODUCT INFORMATION

PRODUCT DESCRIPTION

ACCELERA 4850 Polyaspartic SS is a slower-set coating that gives applicators greater flexibility for flooring applications in a variety of markets. Its improved flow and leveling characteristics further minimize the potential for roller marks, enabling applicators to create a uniform, smooth finish – even on larger floors. Accelera 4850 polyaspartic technology offers a durable coating with excellent ultraviolet and weathering characteristics, as well as good chemical resistance that will cure at low temperatures.

Advantages

- Fast curing - foot traffic in 6 hours
- Roller lines fade away
- 15-20 minute working time - see Application Instructions
- Good chemical resistance, mechanical strength
- Low temperature cure
- High gloss finish

TYPICAL USES

Accelera 4850 is ideal for use in various coating applications where fast cure to service is desired.

- Acceptable for use in high performance architectural applications
- Suitable for use in USDA inspected facilities
- Suitable for use in Canadian food processing facilities
- Food & Beverage (e.g., processing areas, bathrooms, locker rooms, etc.)
- Pharmaceutical (e.g., processing areas, hallways, corridors, etc.)
- Healthcare
- General Industrial/Commercial (e.g., warehouses, automotive showrooms, etc.)
- Clean rooms

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Concrete:	CSP-3
Epoxy Primer or Basecoat:	Abrade with 60-80 grit paper/screen
Existing Resinous Floor:	Abrade with 36 grit paper/screen

APPLICATION CONDITIONS

Temperature: 35°F (1.7°C) minimum, 120°F (49°C) maximum (air, surface and material)
At least 5°F (2.8°C) above dew point

(For lower temperature installation contact your Sherwin-Williams representative).

Relative humidity: 85% maximum

PRODUCT CHARACTERISTICS

Color:	Clear (A01), Standard, Safety Red (A66), Safety Yellow (A67), Ultradeep Tint Base (T04) and Custom Colors
Sheen:	Gloss
Mix Ratio:	2:1
Volume Solids:	94% ± 2%, mixed (Calculated)
Weight Solids:	97% ± 2%, mixed (Calculated)
VOC (EPA Method 24):	<100 g/L mixed (unreduced)

Recommended Spreading Rate per coat:

	Minimum		Maximum	
Wet mils (microns):	**6**	(150)	**15***	(375)*
Dry mils (microns):	**5.6**	(140)	**14.1**	(350)
~Coverage sq ft/gal (m^2/L):	**106**	(2.7)	**251**	(6.2)

***Do not apply GP4850A01 (clear) at WFT over 10 mils (250 microns)**

Drying Schedule @ 10 mils (250 microns) wet:

	@ 35°F (2ºC)	@ 77°F (25ºC)
Rel. Humidity	50%	55%
To Touch:	2 hours	1 hour
To Handle:	3 hours	2.5 hours
To Recoat:		
minimum:		6 hours
maximum:		36 hours
Cure to service:		
Water resistance:		3 hours
Foot traffic:		6 hours
Wheeled traffic:		24 hours

If maximum recoat time is exceeded, abrade surface with 36 grit paper or screen prior to recoating.

Drying time is temperature, humidity, and film thickness dependent.

Pot life:	384 oz mass	20-25 minutes
Working time:		15 minutes
Sweat-in-time:		None

Shelf Life: Part A: 12 months, unopened
Part B: 12 months, unopened
Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: 160 F° (71°C), PMCC or SETA, mixed

PERFORMANCE CHARACTERISTICS

Substrate: Concrete (CSP-3)

System Tested: 1 ct. epoxy primer/basecoat @ 10-12 mils dft
1 ct. Accelera 4850 @ 10-12 mils dft

Test Name	Test Method	Results
Abrasion Resistance	ASTM D 4060	80 m/g loss
Adhesion	ASTM D 4541	425 psi
Direct Impact Resistance	ASTM D 2794	100
Elongation	ASTM D 638	6%
Tensile Strength	ASTM D 638	6,400 psi
Flexibility 1/8" mandrel	ASTM D 1737	Pass
Hardness, Shore D	ASTM D 2240	69
Tear Strength	ASTM D 624	300 ibf/in

continued on back

SHERWIN WILLIAMS | HIGH PERFORMANCE FLOORING

ACCELERA® 4850
POLYASPARTIC SS

PART A GP4850
PART B GP4850B01
SERIES HARDENER

Revised: November 19, 2024

PRODUCT INFORMATION

APPLICATION INSTRUCTIONS

1. Add 2 parts resin and 1 part hardener by volume. Mix with low speed drill and Jiffy blade until uniform. Material can be reduced up to 10% in VOC restricted areas (≤100 g/L) with Acetone* for extended working time after mixing.

2. Apply Accelera 4850 at spread rate of 106-162 sq. ft. per gallon to yield 10-15 mils WFT using a squeegee. Back roll with a non shedding 3/8" or lower nap roller.

Note: Use dip and roll method in hot and humid conditions. Moisture in the air will accelerate the cure time. Do not exceed 10 minutes between batch to batch mixes to avoid changes at tie in. Use natural breaks to divide sections of the floor.

Required Tools: Drill, Jiffy blade, Squeegee, non shedding 3/8" or lower nap roller with solvent resistant core.

*Other areas (>100 g/L): use Acetone or R7K132 (Reducer No. 132). Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

RECOMMENDED SYSTEMS

		Dry Film Thickness / ct. Mils	(Microns)
Concrete (Polyaspartic):			
1-2 cts	Accelera 4850	6.0-15.0	(150-375)
***Concrete (Epoxy Primer):**			
1 ct	Resuprime 3579	6.0-20.0	(150-500)
1-2 cts	Accelera 4850	6.0-15.0	(150-375)
****Concrete (Epoxy Top Coat):**			
1 ct	Resuflor 3746	6.0-10.0	(150-250)
1-2 cts	Accelera 4850	6.0-15.0	(150-375)

**Resuprime 3579 must be abraded if* Accelera 4850 *has not been applied within the PDS specified recoat window. Use 60-80 grit paper/screen.*

***Resuflor 3746 must be abraded if* Accelera 4850 *has not been applied within the PDS specified recoat window. Use 60-80 grit paper/screen.*

ORDERING INFORMATION

Packaging: Part A: 1 gallon (3.78L) in a gallon (3.78L) container
Part B: 1 gallon (3.78L) in a gallon (3.78L) container

Weight: 10.05 ± 0.3 lb/gal ; 1.20 Kg/L mixed, may vary by color

CHEMICAL RESISTANCE

For comprehensive chemical resistance information, consult the Chemical Resistant Guide and contact your Sherwin-Williams representative.

TINTING

Can be tinted with GIS and HPF Universal colorants. For Universal colorants use one pint per 1-gallon mix of GP4850A01 (Clear) for most colors, and two pints per 1-gallon mix for White, Bright Yellow, Light Gray, and Rotunda Red.

CLEANUP

Clean up mixing and application equipment immediately after use, in VOC restricted areas (VOC ≤25 g/L, or ≤3%) with Acetone**. Observe all fire and health precautions when handling or storing solvents.

**Cleanup: Other, less restrictive areas, use Acetone or MEK. Choose a cleaner that is compliant in your area. Confirm compliance with state and local air quality rules before use.

PERFORMANCE TIPS

- Coating is a fast cure material, mixing and installation crews must be organized accordingly.
- Light colors may require a second coat to achieve hiding.
- Slab on grade requires vapor/moisture barrier.
- Rapid cure. Do not mix more material than can be applied in 20-25 minutes.
- Strictly adhere to published coverage rates.
- This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.

SAFETY

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact your Sherwin-Williams representative.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MAINTENANCE RECOMMENDATIONS
GENERAL CLEANING & MAINTENANCE

Floors usually take the most abuse of any surface in the building. Floor maintenance is dependent upon the flooring system itself, the traffic conditions, and the type of dirt and debris to which it is exposed. Sherwin-Williams resinous floors are easily maintained because of their physical and chemical tough finishes.

In recognition of the need for regular floor maintenance, the following recommendations will help keep your Sherwin-Williams resinous floors looking like new. The recommended cleaning products and maintenance program is based on the type of floor you have.

RECOMMENDED CLEANING CHEMICALS

	AREA DESCRIPTION	RECOMMENDED CLEANER
FOOT TRAFFIC	Public areas, health care, dining room/cafeteria, lab, institutional, retail, foot traffic area	Neutral slip-resistant floor cleaner
LIGHT TO MODERATE SERVICE AREAS	Animal care, automotive service center, commercial kitchen/food prep area, patio	Cleaner/degreaser
MODERATE TO HEAVY SERVICE AREAS	Bottling plant, factory floor, loading dock, manufacturing/industrial, vehicular traffic area, stadium	Heavy-duty cleaner/degreaser
ESD/CONDUCTIVE FLOORS	Clean room, computer room, electronics production and assembly, quality control lab, surgery	Neutral floor cleaner
FOOD AND BEVERAGE PLANTS	Dairy plant, meat & poultry plant, food processing plant, brewery, winery and beverage plants	Cleaner/degreaser

CLEANING PROCESS

The best method to clean Sherwin-Williams flooring is a five-step process using the recommended cleaning product. The process varies between small and large floors, and between smooth and textured floors.

THE FIVE STEPS ARE:

- **Sweeping** - Always sweep the floor thoroughly before cleaning.
- **Application** - The means to put the cleaning product on the floor surface.
- **Agitation** - Movement of the cleaning product, with a piece of equipment, on the floor surface to aid in the release of foreign material.
- **Dwell Time** - Letting the cleaning product stand on the surface to allow time for emulsifying foreign material.
- **Removal** - Removing the cleaning product from the surface of the floor.

SHERWIN WILLIAMS® | HIGH PERFORMANCE FLOORING

GENERAL CLEANING & MAINTENANCE

	SMOOTH FLOORING SURFACES		TEXTURED FLOORING SURFACES	
	SMALL AREA	LARGE AREA	SMALL AREA	LARGE AREA
SWEEPING	Broom or dust mop	Floor sweeper	Broom	Floor sweeper
APPLICATION	Synthetic mop or deck brush	Automatic floor scrubber	Deck brush or foamer/sprayer	Automatic floor scrubber or foamer/sprayer
AGITATION	Mop or deck brush	Automatic floor scrubber	Deck brush or rotary floor machine	Automatic floor scrubber or rotary floor machine
DWELL TIME	5-10 minutes	5-10 minutes	5-10 minutes	5-10 minutes
REMOVAL	Mop or wet vac	Automatic floor scrubber	Squeegee or wet vac	Automatic floor scrubber

Notes:

- Never use a mop to clean a floor that is greasy or oily.
- When using a deck brush, choose a medium/stiff bristle.
- When using a rotary floor machine, use a white, tan or red 3M pad or similar pad.
- When removing solution with a squeegee, use a soft, neoprene squeegee.
- Do not use a water spray to remove cleaning solution from the floor. It will over dilute the solution, causing greases and oils to fall back onto the floor surface.
- Through proper training and education, unnecessary wear of the floor, such as forklift spin and skid marks, can be avoided.
- Spills should be cleaned up immediately as a safety precaution as well as to prevent staining of the floor.
- Surfaces should be adequately protected when moving heavy equipment across the floor.

MAINTENANCE/DAMAGE PREVENTION

Sherwin-Williams resinous floors are installed with several basic types of finish coats including epoxy, polyurethane and acrylic.

Acrylic and polyurethane floors have exceptional mar and scratch resistance while epoxy finishes are harder and will scratch when subjected to abrasive dirt.

High Performance Flooring
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