

## RESUWALL FX INTERIOR WALL SYSTEM

### Sherwin-Williams Resuwall FX Interior Flexible

**Wall System** is a multilayer, high build wall surfacing system that utilizes two coats of a flexible epoxy membrane as a base and a high solids urethane enamel topcoat for chemical resistance, color and gloss retention. This unique system offers a competitive advantage over reinforced rigid epoxy systems while providing superior crack bridging and impact resistance.

### BENEFITS

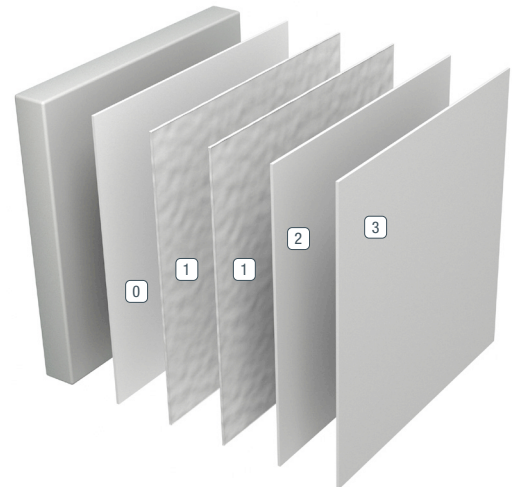
- Crack bridging
- Impact resistant
- UV resistant, color stable
- High chemical resistance
- Thermal shock resistant
- Ease of installation
- Waterproofing
- 4685W POLY-COTE™ Chemical
- Available with an antimicrobial agent
- Resistant to:

28 Day Exposure @ 72°F	Result
	NE= No Effect
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosine	NE
Hydrochloric Acid (<35%)	NE
Lactic Acid (Milk)	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (<10%)	NE
Nitric Acid (<30%)	Slight Softening
PM Acetate	NE
Phosphoric Acid (<50%)	NE
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (<50%)	NE
Sulfuric Acid (<50%)	Slight Gloss Loss
Water (Distilled)	NE

### USES

- Commercial kitchens and service corridors
- Pharmaceutical facilities and laboratories
- Healthcare and clean rooms
- Animal holding
- Food and beverage facilities
- Locker rooms, showers and restrooms
- Packaging and storage areas
- Cage and skid wash areas

### DESIGNED TO PERFORM



- 0 Primer
- 1 Base Coat (2 coats)
- 2 First Finish Coat
- 3 Final Finish Coat

### TYPICAL PHYSICAL PROPERTIES

<b>Hardness, Shore D</b> ASTM D 2240	23
<b>Tensile Strength</b> ASTM D 412	1,200 psi
<b>Elongation</b> ASTM D 412	145%
<b>Adhesion</b> ACI 503R	300 psi Substrate failure
<b>Flammability</b>	Self-Extinguishing over concrete
<b>Thermal Cycling</b> ASTM C 884 (24 hours, 6°F to 77°F)	No Cracking
<b>Gardner Impact</b> ASTM 2794-84	Wood 24" Cement Board 18" Drywall 12"
<b>Permeability</b> MIL-I-16923 @ 95% humidity	0.01 grains/ft <sup>2</sup> /24 hrs./ inch thickness
<b>Fungus &amp; Bacteria Resistance</b> MIL-D-3134F Sec. 4.4.2.11	Will not support growth of fungus or bacteria per test specified TT-P-34

ASTM D = Resin only

### LIMITATIONS

- Avoid gypsum-based substrate or repair materials in continuously wet areas

**INSTALLATION**

Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Resuwall FX Interior Flexible Wall System. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

**SURFACE PREPARATION – GENERAL**

Sherwin Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

**SURFACE PREPARATION – CONCRETE**

Consult the Surface Preparation Form G-1 for surface preparation for gypsum board, concrete block, plywood or concrete masonry unit (CMU).

**TEMPERATURE**

Throughout the application process, substrate temperature should be 50-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

**APPLICATION INFORMATION**

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<100 g/L	Primer	3479	2:1	300-350 sq. ft./gal	3 or 15 gals
<100 g/L	Body Coat (2 coats)	3552W	1:1	100-200 sq. ft./gal	2 or 10 gals
<100 g/L	First Finish Coat	3479	2:1	300-350 sq. ft./gal	3 or 15 gals
<50 g/L	Final Finish Coat	4685W	1:1	400-500 sq. ft./gal	4 or 20 gals

If an additional coat of 4685W is required, it is recommended the surface be sanded with a fine grit medium (150 grit or finer), and then solvent wiped prior to recoating, even if within the recoat window.

## BLOCK FILLER

### OPTIONAL

BLOCK FILLER may be used to smooth texture. Contact your local Sherwin-Williams representative to design a block filling system that meets project filling and/or leveling and smoothness requirements.

## PRIMER

### MIXING AND APPLICATION

1. Premix 3479A (resin) using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3479A (resin) to 1 part 3479B (hardener), mix with low-speed drill and Jiffy mixer for three minutes until uniform. Apply material using a 1/4" or 3/8" nap roller at a spread rate of 300-350 sq. ft. per gallon to yield 4-5 mils WFT depending upon substrate.
3. Allow to cure for a minimum of 3-4 hours depending upon air movement before applying base coat.

\*3479 should only be used on unpainted, porous surfaces. If the surface is painted with latex or an epoxy coating, clean and abrade the surface, then apply the 3479 base coat.

## BASE COAT (2 COATS)

### MIXING AND APPLICATION

1. Premix 3552WA (resin) using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 3552WA (resin) to 1 part 3552B (hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. 3552W may be applied via 3/8" roller that has had "fuzz" removed with tape or solvent washing. Can also be applied via a brush. Apply at a spread rate of 160-200 sq. ft. per gallon to yield 8-10 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture. Roller application will leave a stipple finish, a final backroll with a short nap (1/4" or 3/16") roller or foam roller will reduce but not eliminate the stipple.
4. Allow to cure overnight before applying second base coat.
5. Mix and apply 3552W as described in previous step. Roller application will require a light sanding, pole sander with an open screen and solvent wipe to remove lint, runs, or other debris prior to application of the finish coat.
6. Allow to cure overnight.

**SPRAY APPLICATION: Contact the Sherwin-Williams Technical Service Department.**

## INTERMEDIATE COAT

### MIXING AND APPLICATION

1. Premix 3479A (resin) using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3479A (resin) to 1 part 3479B (hardener), mix with low-speed drill and Jiffy mixer for three minutes until uniform. Apply material using a 1/4" short nap roller at a spread rate of 300-350 sq. ft. per gallon to yield 5 mils WFT.
3. Allow to cure for a minimum of 3 hours depending upon air movement.
4. Sand any imperfections prior to applying finish coat.

## INTERMEDIATE COAT

### MIXING AND APPLICATION

1. Premix 4685WA (resin) using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 4685WA (resin) to 1 part 4685B (hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. 4685W may be applied via spray, roller or brush. Apply using a 1/4" nap non-shedding, urethane enamel roller at a spread rate of 400-500 sq. ft. per gallon evenly with no runs. Note: Roller application will leave a stipple finish. A final roll with a sponge roller will reduce but not eliminate stipple. **Do not apply 4685W above 85°F.**
4. Allow to cure overnight. Allow to cure 48 hours before water exposure and 7 days for full chemical resistance. In cool and/or high humidity conditions, a surface film may form which can be washed with soap and water.

## CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## SAFETY PRECAUTIONS

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.

## MATERIAL STORAGE

Store materials in a temperature controlled environment (40°F-90°F) and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

## MAINTENANCE

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

## DISCLAIMER

The information and recommendations set forth in this document 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 [www.sherwin-williams.com/resin-flooring](http://www.sherwin-williams.com/resin-flooring) to obtain the most recent Product Data information and Application instructions.

## 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.

## THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.