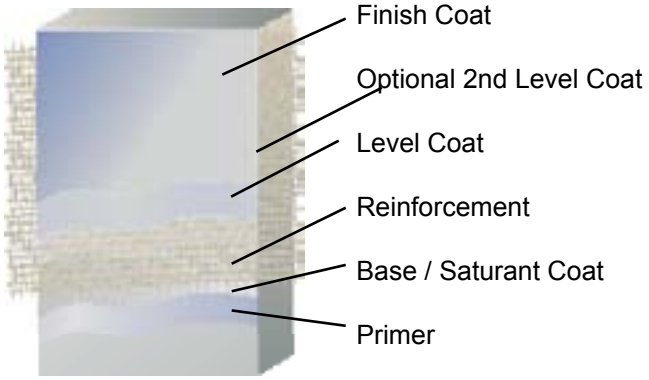
SANIGLASS I®

Fiberglass Reinforced Wall and Ceiling System

General Polymers **SANIGLASS I Fiberglass Reinforced Wall and Ceiling System** is a multi-layer, high build wall and ceiling surfacing systems utilizing an epoxy base coat with fiberglass mesh reinforcement added for dimenionsal stability and greater durability. The system iutilizes a UV stable, chemical resistant finish coat.



28-35 mils

Advantages

- Smooth and durable
- Highly washable surface
- Fiberglass reinforced for maximum tensile strength
- Available with an antimicrobial agent

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

Limitations

Avoid gypsum based substrate or repair materials in continuously wet areas

Typical Physical Properties

Color	White Can be tinted at SW Store
Hardness, Shore D ASTM D 2240	65/60
Tensile Strength ASTM D 638	9,000 psi
Adhesion ACI 503R	300 psi Substrate failure
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures	No slip or flow at required temperature 158ºF
Fungus & Bacteria Resistance 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

Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the SANIGLASS I Fiberglass Reinforced Wall and Ceiling System. Contact the Technical Service Department for assistance prior to application.

Surface Preparation — General

General Polymers 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 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 50ºF – 90ºF. Substrate temperature must be at least 5ºF above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

Application Information

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	**Primer**	3462G	3:1	200-250 sq. ft./gal	4 or 20 gals
<50 g/L	**Base Coat**	3462G	3:1	100-200 sq. ft./gal	4 or 20 gals
0	**Bound Cloth Reinforcement**	FC38-5.6 oz.			100 yds. / roll
<50 g/L	**Saturant Coat**	3462G	3:1	250-300 sq. ft./gal	4 or 20 gals
<50 g/L	**Level Coat**	3462G	3:1	250-300 sq. ft./gal	4 or 20 gals
<50 g/L	**Optional 2nd Level Coat**	3462G	3:1	250-300 sq. ft./gall	4 or 20 gals
<50 g/L	**Finish Coat**	4408	3:1	400 sq. ft./gal	4 or 20 gals

Under certain conditions, an exudate can form on the surface of cured 4685W. If an additional coat of 4685W is required, the surface should be sanded with a fine grit medium, (150 grit or finer), and then solvent wiped prior to recoating, even if within the recoat window.

Different optional seal coat(s) - Consult individual Technical Data Sheet for mixing and application instructions.
4685W Poly-Cote Wall Coating

Primer

Mixing and Application

1. Premix 3462G (resin) and 3462B (hardener) separately, using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.

2. Add 3 parts 3462G (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material using a 1/4" short nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 5 mils WFT.

3. Allow to cure for a minimum of 3 hours depending upon air movement.

Base Coat

Mixing and Application

1. Premix 3462G (resin) and 3462B (hardener) separately, using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.

2. Add 3 parts 3462G (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. 3462G may be applied via spray, roller or brush. Apply using a 1/4" nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 6-8 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture.

Fiberglass Reinforcement

1. Apply FC 38-5.6 oz. bound fiberglass cloth for walls and 4 oz. for ceilings directly into wet resin. Do not allow material to cure or recoating will be necessary.

2. Hang fiberglass cloth directly to the wall similar to hanging wallpaper so seams are uniform and even. Overlap each strip using a double cut method. Remove the trimmed material behind the front strip.

3. After hand affixing to wall, use a broad knife to remove air pockets, wrinkles or any irregularities.

Saturant Coat

Mixing and Application

1. Premix 3462G (resin) and 3462B (hardener) separately, using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.

2. Add 3 parts 3462G (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. 3462G may be applied via spray, roller or brush. Apply using a 1/4" nap roller at a spread rate of 250-300 sq. ft. per gallon to yield 5-6 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture. Allow to cure overnight (minimum 10 hours) before lightly sanding seams, bumps and other imperfections caused by the saturant coat with 60-80 grit sandpaper.

4. Sand any imperfections prior to applying finish coat.

Level Coat

Mixing and Application

1. Apply 3462G as described in previous step.

2. Allow to cure overnight.

3. An additional second level coat may be applied.

4. Sand any imperfections prior to applying finish coat.

Finish Coat

Mixing and Application

1. Premix 4408 (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 3 parts 4408A (resin) to 1 part 4408B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. 4408 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 sq. ft. per gallon to yield 4 WFT mils evenly with no runs.

3. Allow to cure 18-24 hours before applying optional second coat. If beyond 24 hours abrade the first coat with 100 grit screen/paper.

4. Allow 24 hours minimum before water exposure.

Different optional seal coat(s) - Consult individual Technical Data Sheet for mixing and application instructions.
4685W Poly-Cote Wall Coating

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

Refer to the MSDS sheet before use. federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

Material Storage

Store materials in a temperature controlled environment (50ºF – 90ºF) 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 Technical Service Department.

Shipping

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.
- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.generalpolymers.com 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.

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