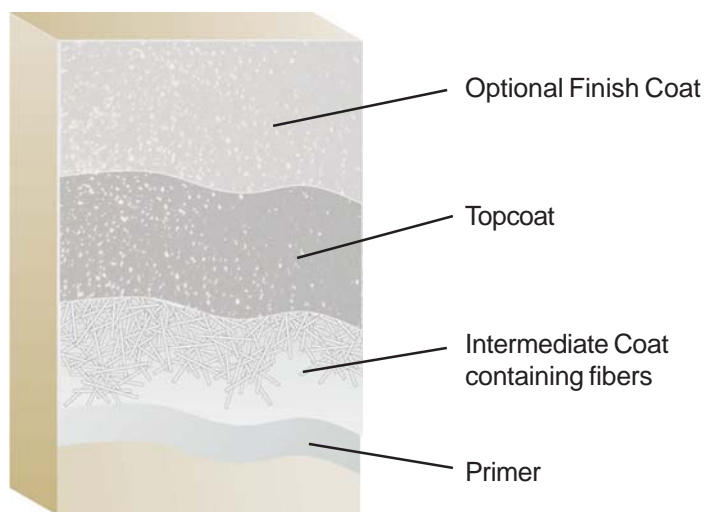




# SANIFIBER HIGH BUILD FIBER REINFORCED WALL AND CEILING SYSTEM

General Polymers SANIFIBER is a fiber reinforced epoxy resin system designed for application to walls and ceilings in demanding environments such as food processing and pharmaceutical facilities. The unique resin system provides excellent performance properties including light (UV) resistance not typical of epoxy based systems.



## Advantages

- Light stipple texture
- Highly washable surface
- Impact resistant
- Color stable
- Resists cracking
- Chemical Resistant
- Acceptable for use in USDA inspected facilities

## Uses

- Commercial kitchens and service corridors
- Pharmaceutical facilities and laboratories
- Healthcare and clean rooms
- Animal holding
- Food and beverage facilities
- Locker rooms 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 Only
VOC (Volatile Organic Content) EPA Method 24, Modified SCAQMD Method 304	Compliant Compliant
Hardness, Shore D ASTM D 2240	75/70
Tensile Strength ASTM D 412	3,000 psi
Adhesion ACI 503R	325 psi Substrate failure
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F
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 SANIFIBER FIBER 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, 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).

**CMU WALLS: For dense block 3462 can be used as a block filler. Add one part of fumed silica (GP9001) to a kit (3:1 part fumed silica). Adjust as needed for proper hang. Do not apply in bug holes or grout joints over ¼ inch in depth. For block with rougher texture, more voids and deeper joints contact Technical Service Department for additional information.**

### **Temperature**

Throughout the application process, substrate temperature should be 50°F - 90°F. Substrate temperature must be at least 5°F above the dew point. (Applications on concrete substrate should occur while temperatures is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible.) **DO NOT ALLOW MATERIAL TO FREEZE.**

### **Application Information**

Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Primer 3462	3:1	300-350 sq. ft./ gal	4 or 20 gals
Intermediate Coat 3462G	3:1	80-100 sq. ft./gal	4 or 20 gals
Topcoat 3462	3:1	200-250 sq. ft./gal	4 or 20 gals
Finish Topcoat 4408	3:1	400-500 sq. ft. / gal	4 or 20 gals

**Different optional seal coat(s) - Consult individual Technical Data Sheet for mixing and application instructions.**

4685W Poly-Cote Wall Coating

## Primer

### Mixing and Application

\* 3462 Sanifiber Wall Coating 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 3462 as primer.

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

2. Add 3 parts 3462A (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. Up to 5% potable water can be added to lower viscosity. Apply material via airless spray or a 1/4" short nap roller at a spread rate of 300-350 sq. ft. per gallon to yield 5 mils WFT.

## Intermediate 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 entrain air into the material.

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. To insure proper system cure and performance, strictly follow mix ratio instructions.

3. Apply via airless spray at a rate of 80-100 feet per gallon to achieve 15-20 WFT mils.

4. After 16 hour cure of the first intermediate coat a second coat can be applied if additional thickness is a project requirement.

5. Prior to topcoat application, the cured intermediate coat should be abraded to remove exposed fibers or other surface imperfections.

Recommended Spray Unit:

Graco Mastic Flo-Gun  
with pistol grip  
Model #224991 series A without defuser  
**Graco TexSpray 5900 HD (convertible gas or electric spray unit)**

Other airless spray pumps of equal configuration can be used

Tip size: GHD Reversible Tip Holder  
with 517/521 or larger orifice

Spray pressure: 3,500 PSI or higher  
3/8" ID high pressure spray hose

The filters/screens in both the spray unit and spray gun must be removed prior to spraying the 3462G.

The spray unit and lines should be flushed with water until clear and then flushed with Isopropyl Alcohol (IPA).

## Topcoat

### Mixing and Application

1. Premix 3462A (resin) and 3462B (hardener) 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 3462A (resin) to 1 part 3462B (hardener), 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 instructions.

3. 3462 may be applied via spray, roller or brush. Apply using a 1/4" nap non-shedding, enamel roller cover at a spread rate of 200-250 sq. ft. per gallon to yield 6-8 WFT mils evenly with no runs.

4. Allow 48 hours to cure for water exposure and 7 days for chemical exposure.

### • TOPCOAT SPRAY APPLICATIONS for 3462

Recommended Spray Unit:

Graco Mastic Flo-Gun  
with pistol grip  
Model #224991 series A without defuser  
**Graco TexSpray 5900 HD (convertible gas or electric spray unit)**

Other airless spray pumps of equal configuration can be used

Tip size: GHD Reversible Tip Holder  
with 517/521 or larger orifice

Spray pressure: 3,500 PSI or higher  
3/8" ID high pressure spray hose

## Finish Topcoat

### Mixing and Application

1. Premix 4408A (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 400-500 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.

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.

**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 with soap and water for 3462 and 3462G followed by circulating MEK, Toulene or xylene through the system until solvent is clear. Use toluene or xylene for 4685W. Observe all fire and health precautions when handling or storing solvents.

**Safety**

Refer to the MSDS sheet before use. All applicable 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 (50°F - 90°F) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

**Material Storage**

Store materials in a temperature controlled environment (50°F - 90°F) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

**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](http://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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