

## SYSTEM DESCRIPTION

Sani-Wall FGR is a high-performance fiberglass reinforced wall coating system that is typically installed at a nominal 25 to 35 mil dry film thickness, offering a variety of topcoats depending on application. The Sani-Wall FGR system is a seamless, high gloss, durable, impact resistant, and easy to clean finished wall surface.

## USES

- Designed for use in various institutional and industrial applications, such as:
- Pharmaceutical, medical and healthcare facilities
- Clean room applications, including:
- Animal research
- Food and beverage processing areas
- Commercial kitchens
- Correctional facilities

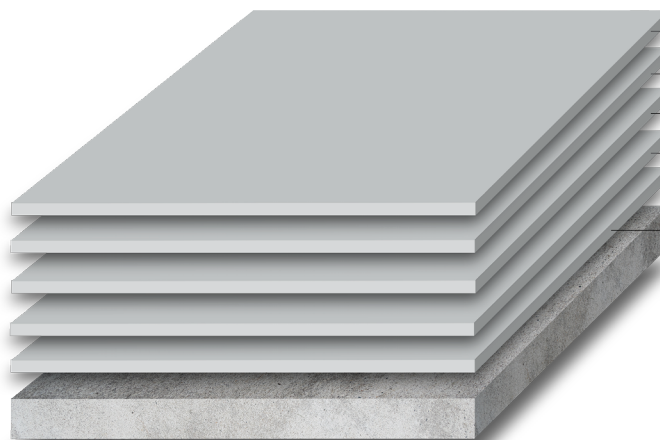
## ADVANTAGES

- Seamless Surface
- Impact and Chemical Resistant
- Fiberglass Reinforced for Dimensional Stability
- Easily Cleaned by Wash Downs

## COLORS

Sani-Wall is available in White, Slate, Buff, Delta Fog and Sterling.

## TYPICAL SYSTEM BUILD



- Optional UV TopCoat:  
Polyurethane 100/100 VOC
- Topcoat: Epoxy 400 WC
- Build Coat: Epoxy 400 WC
- Basecoat: Epoxy 400 WC  
w/ embedded fiberglass
- Patching & Filling:  
Epoxy 300 Flex Paste

**Note:** Diagram not to scale

## TECHNICAL DATA

|                                                  |            |
|--------------------------------------------------|------------|
| Compressive Strength (ASTM D695)                 | 9,850 psi  |
| Tensile Strength (ASTM D638)                     | 6,230 psi  |
| Elongation (ASTM D638)                           | 11%        |
| Flexural Strength (ASTM D790)                    | 9,680 psi  |
| Flammability (ASTM E648)                         | Class 1    |
| Impact Resistance (ASTM D2794)                   | 120        |
| Hardness, Shore D (ASTM D2240)                   | 75-80      |
| Tabor Abrasion (ASTM D4060)                      | 25 mg loss |
| Water Absorption (ASTM D570)                     | 0.2% gain  |
| Bond Strength (ASTM D7234)<br>(concrete failure) | 350 psi    |

Refer to product data sheet of individual system component for more information.

## TYPICAL SYSTEM BUILD

| COAT                          | PRODUCT                                 | THICKNESS/COVERAGE                      |
|-------------------------------|-----------------------------------------|-----------------------------------------|
| <b>Patching &amp; Filling</b> | APF Epoxy 300 Flex Paste                | As required                             |
| <b>Basecoat</b>               | APF Epoxy 400 WC w/ embedded fiberglass | 200-250 sq. ft./gallon (6-8 mils WFT)   |
| <b>Build Coat</b>             | APF Epoxy 400 WC                        | 200-250 sq. ft./gallon (6-8 mils WFT)   |
| <b>Topcoat</b>                | APF Epoxy 400 WC                        | 250-300 sq. ft./gallon (5-6 mils WFT) * |
| <b>Optional UV Topcoat</b>    | APF Polyurethane 100/100 VOC            | 300-400 sq. ft./gallon (4-5 mils WFT) * |

\*Topcoat coverage determines final texture.

## APPLICATION INSTRUCTIONS

### 1.0 Surface Preparation

Surface must be clean, dry and free of all oil and grease.

**Masonry:** Level any surface projections and mortar spatter by grinding, stoning or scraping.

**Drywall:** Drywall must be finished to a level #4 - #5 finish.

### 2.0 Application of Block Filler (if applicable)

For block walls, apply two coats of a vinyl acrylic block filler at a rate of 75-100 sq. ft. per gallon.

### 3.0 Application of the Basecoat

After mixing the Epoxy 400 WC as specified in the product data sheet, apply it immediately to the surface using a 3/8"-1/2" nap solvent-resistant roller cover from a five-gallon pail or roller tray. Spread at a rate of 200-250 sqft/gallon (6-8 mils WFT). Embed the fiberglass reinforcement into the wet base coat. This can be achieved by using chopped 1/4" strand, spray fiberglass, woven roving, or 3/4" oz fiberglass mat. Once the FG reinforcement is in place, ensure it's thoroughly saturated with Epoxy 400 WC by back rolling the material into it.

### 4.0 Application of the Build Coat

Once the basecoat has cured approximately 8-24 hours, sand the entire surface with 50 or 60 grit sandpaper. Remove any high spots or projections. Make sure to completely remove all dust generated from sanding prior to installation of the build coat.

After mixing the Epoxy 400 WC as specified in the product data sheet, apply it immediately to the surface using a 3/8"-1/2" nap solvent-resistant roller cover from a five-gallon pail or roller tray. Spread at a rate of 200-250 sqft/gallon (6-8 mils WFT).

### 5.0 Application of the Topcoat

After mixing the Epoxy 400 WC as specified in the product data sheet, apply it immediately to the surface using a 3/8"-1/2" nap solvent-resistant roller cover from a five-gallon pail or roller tray. Spread at a rate of 250-300 sqft/gallon (5-6 mils WFT). For applications requiring a UV resistant topcoat, apply Polyurethane 100/100 VOC at of 300-400 sqft/gallon (4-5 mils WFT).

### LIMITATIONS

- Before applying, measure and ensure that the ambient and substrate temperature is at least 5°F above the dew point.
- High humidity/low temperature will prolong cure time.
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

### HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves. User must read and understand Safety Data Sheet before using. APF Safety Data Sheets are available at [www.apfepoxy.com](http://www.apfepoxy.com).

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## STANDARD WARRANTY STATEMENT

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