



**Request for Proposal (RFP)  
MRC Renovations  
Basis for Proposal/Pricing  
November 27, 2024**

**1. Statement of Purpose & Background:**

Haven for Hope of Bexar County (“Haven for Hope”) has operated its 22-acre Transformational Campus just west of downtown San Antonio, Texas for the last 14 years. Haven for Hope’s mission is to provide a place of hope and new beginnings by providing, coordinating, and delivering an efficient system of care for people experiencing homelessness in San Antonio, with a vision of ending homelessness by empowering individuals and families to transform their lives.

Haven is seeking proposals from qualified agencies for the renovation of a wing of our Adult Dorm located on the Haven for Hope campus, as detailed more thoroughly in the Scope of Work below. This renovation aims to improve the safety, overall living standards, and operations within this area of our operations. The selected agency will be responsible for executing the renovation as specified and negotiated, ensuring compliance with local regulations and codes, and completing the project within the proposed timeline and budget.

**2. Scope of Work:**

The specific updates, modifications, and work that is the subject of this renovation is as follows:

1. Installation of 17 new LED King 6” Downlights (D846-90-10) and 6 of those are emergency lights in the Adult Dorm hallway.
2. Replacement of 7 HVAC air return grills in the Adult Dorm hallway.
3. Installation of kickplates on doors throughout this wing of the Adult Dorm.
4. Installation of Fiber Reinforced Polymer (FRP) wall paneling in the Adult Dorm laundry room.
5. Cleaning, preparation, painting, and minor repairs of all rooms, including dorm rooms, laundry room, common areas, hallway, and storage space, in this wing of the Adult Dorm.
6. Polish and reseal concrete flooring throughout this wing of the Adult Dorm.
7. Installation of new door within hallway of the Adult Dorm, roughly bifurcating wing into two halves (location specified on attached floor plan).
8. Installation of cabinetry in Room 12.322 and a modified half door (future Med Room).
9. Updates to Bathroom located at Room 12.304 including updating of fixtures, installation of new countertops, LED lighting, repainting of restroom and new epoxy flooring.

10. Conversion of two urinals in Bathroom located at Room 12.321 to an ADA accessible stall, as well as updates to this bathroom including updating of fixtures, installation of new countertops, repainting of restroom and new epoxy flooring.
11. Removal of one non-structural wall between two residential rooms on South Side of wing, to create consolidated living room for resident use.

A detailed floorplan outlining the designated wing of Haven's Adult Dorm is provided at Exhibit A.

The anticipated start date for this project is approximately February 3, 2025, although this projected start date may be modified within Haven's discretion and based on business considerations.

### **3. Compliance, Insurance & Other Requirements:**

- All contractor staff assigned to work on Haven's campus through this project must meet the requirements to gain and maintain access to Haven's campus. Similarly, all contractor staff will be expected to abide by Haven for Hope's Campus Policies, standards of conduct, and other policies, processes, and expectations of all individuals working, residing, or visiting our campus. Additional information will be provided upon request.
- The selected bidder will be responsible for obtaining all necessary permits and ensuring compliance with all applicable licensing requirements and regulations throughout the renovation process.
- Interested parties must obtain and maintain any insurance required by law, but at least (i) broad form commercial general liability insurance in amounts for bodily injury and property damage of \$1,000,000 per occurrence and \$2,000,000 general aggregate (or equivalent in umbrella or excess liability coverage); (ii) causes of loss-special form property insurance, issued on a replacement-cost basis and insuring the full value of the contractor's property and property for which contractor is legally liable, including vehicles; (iii) workers' compensation and employer's liability in amounts of at least \$1,000,000; and (iv) business automobile liability, for owned, leased, non-owned and hired vehicles, with combined single limit for bodily injury and property damage of \$1,000,000 per occurrence (or its equivalent in umbrella or excess liability coverage). All policies shall be primary, name Haven as an additional insured, and be issued by insurance company(ies) qualified to do business in the State of Texas and having a Best Rating of at least A-VII.

### **4. Proposal Submission Guidelines:**

Interested parties should submit their proposals by **5:00pm on January 3rd, 2025**, via email to Earvin Reinhardt, Director of Logistics & Facilities Management ([Earvin.reinhardt@havenforhope.org](mailto:Earvin.reinhardt@havenforhope.org)).



Proposals should include:

- Company profile, including an overview of your agency, including years of experience, areas of specialization, and relevant industry certifications
- Detailed pricing information, including itemized prices for each element outlined within the Scope of Work, inclusive of labor, fees, permitting expenses, and any additional expenses or costs
- References from prior clients
- Certificate of Insurance (COI) and licensing

Site visits will be offered on **December 9<sup>th</sup>, 2024, at 3pm** and **December 12<sup>th</sup>, 2024, at 9:30am** for interested bidders to review the renovation space and gather additional information. All potential bidders are encouraged to take advantage of this opportunity to ensure a comprehensive understanding of the renovation and requirements before submitting their proposals. Any other inquiries and/or requests for clarification should be directed to Earvin Reinhardt at the contact information listed in this RFP.

**5. Contact Information:**

Earvin Reinhardt  
Director of Logistics and Facilities Management  
Email – [Earvin.Reinhardt@havenforhope.org](mailto:Earvin.Reinhardt@havenforhope.org)  
Phone – 210-220-2112

**6. Evaluation Criteria:**

Proposals will be evaluated based on:

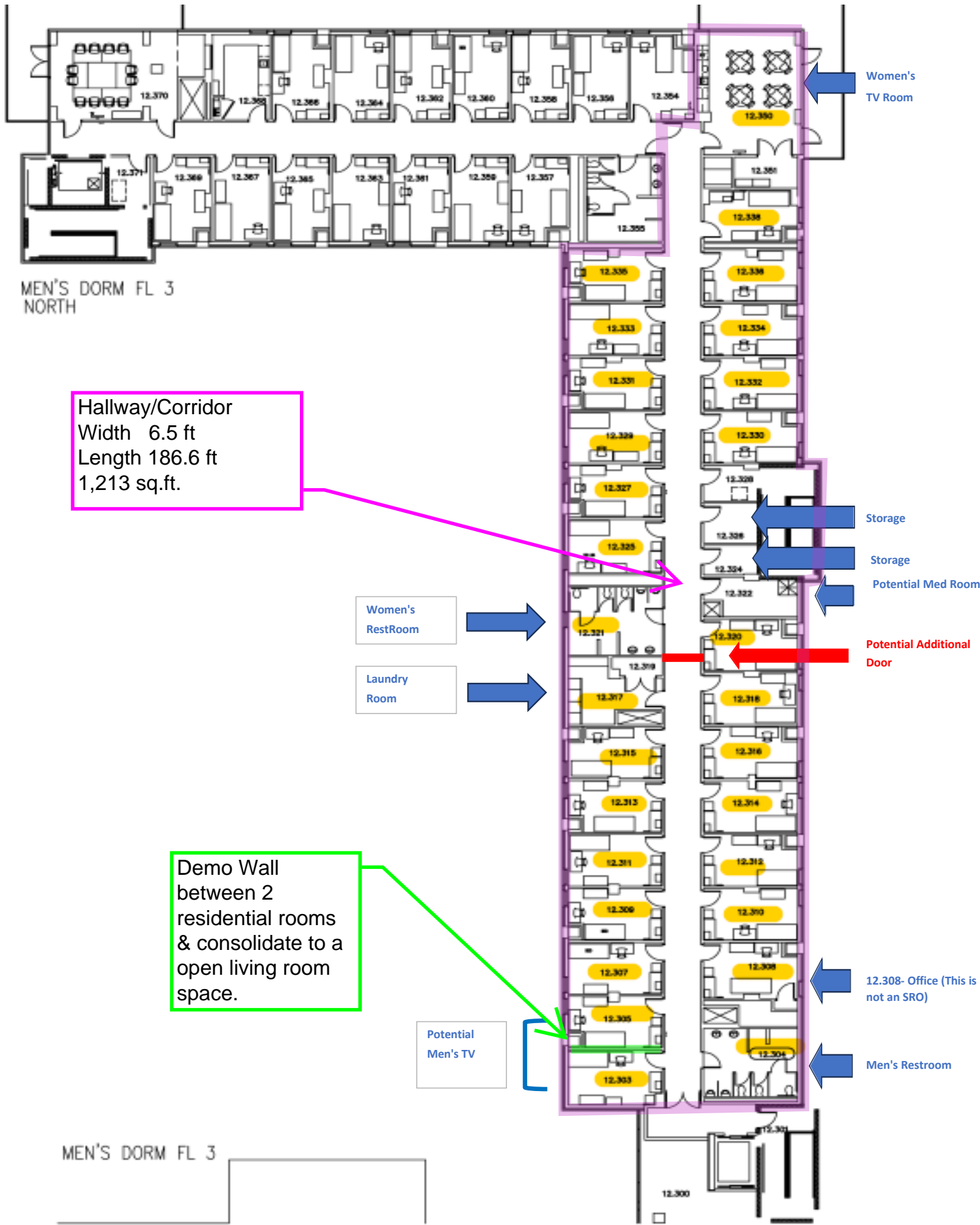
- Experience and qualifications
- Quality and feasibility of the proposed plan
- Itemized cost breakdown and overall budget

Haven for Hope reserves the right to reject any or all proposals received in response to this RFP, to waive any informalities or irregularities in the proposals received, and to negotiate with any qualified vendor.

Thank you for your interest in providing staffing services to Haven for Hope. We look forward to reviewing your proposal.



**Exhibit A**  
**Floor Plan & Submittals**



Square Footage Calculation		
Room	Desc.	Sqft
12.350	Conf	515
12.338	SRO	164
12.336	SRO	164
12.335	SRO	164
12.334	SRO	164
12.333	SRO	164
12.332	SRO	164
12.331	SRO	164
12.330	SRO	164
12.329	SRO	164
12.327	SRO	164
12.325	SRO	164
12.321	Restroom	215
12.320	SRO	164
12.318	SRO	164
12.317	Laundry	135
12.316	SRO	164
12.315	SRO	164
12.314	SRO	164
12.313	SRO	164
12.312	SRO	164
12.311	SRO	164
12.310	SRO	164
12.309	SRO	164
12.308	Office	164
12.307	SRO	164
12.322	?	?
12.305	SRO	164
12.304	Restroom	215
12.303	SRO	164

**Total**                      **5180**

**SROs**            **24**    **48 beds**

include corridor                      7114  
 Corridor                                    1,213 sq.ft.

OCCUPANCY LOAD SCHEDULE				
THIRD FLOOR				
RM NO.	ROOM NAME	Occ. Factor	Occ Factor	SF
300	TOUR AND SPECIAL EVENTS	15	31	458
301A	ELECTRICAL CLOSET	300	1	57
301B	STORAGE	300	1	68
302	STAIR	200	2	264
303	SRO	200	1	164
304A	FOOD PREP	200	1	182
304B	JANITOR	300	1	43
305-316	SRO'S	200	1 EACH	164
317	RESTROOM	200	2	251
318	SRO	200	1	164
319A&319B	CORRIDOR	200	10	1934
320	COMMUNITY	15	35	515
321	SRO	200	1	164
324-332	SRO'S	200	1 EACH	164
333	STAIR	200	2	256
334	SRO	200	1	164
335	JANITOR	300	1	72
336	TRASH	300	1	52
337	JANITOR	300	1	121
338	RESTROOM	200	2	215
339	SRO	200	1	164
340	LAUNDRY	100	2	135
341-352	SRO'S	200	1 EACH	164
353	RESTROOM	200	2	215
354	SRO	200	1	164
355A&355B	STAIR & ELEVATOR	200	2	382

Notes:

- (1) Potential Men's TV Room: Requires demo wall
- (2) Potential Med Room: Requires renovatiing/cabinets/proxy
- (3) 3 SROs can be converted to offices
- (4) Potential Additional Door: Need estimated install costs
- (5) Bring lockers from ITP space
- (6) For Census may need to increase 3 SROs occupancy to 3.



## Shower-Ware® 1103-10 Series

Folding Seats - ADA Compliant



1103-22

Fixture May Show Some Available Options

Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.

### Folding Seats - ADA Compliant

**Folding Seats** are designed to meet the needs of the disabled. Seats fold effortlessly up against the wall or down into seating position as required. Frame is constructed of 1" type 304 stainless steel tubing polished to a satin finish. Seats conform with ANSI, UFAS and ADA requirements for accessibility. Compliance is subject to the interpretation and requirements of the local code authority. Installed loading requirements vary. Check local code for mounting height and provide adequate structural backing in wall. Folding seats are not recommended for installation in areas of high security.

**Stainless Steel Seats** are provided with a heavy gage type 304 stainless steel cover. Frame construction remains the same as standard.

**Padded Seats** consist of a 2" cushion covered with white Naugahyde and marine plywood backing.

**Phenolic Seats** are constructed of 1/2" x 3" water-resistant phenolic slats with teak finish. This practical design permits cleaning under body with minimum effort.

# Shower-Ware®: 1103-10 Folding Seats - ADA Compliant



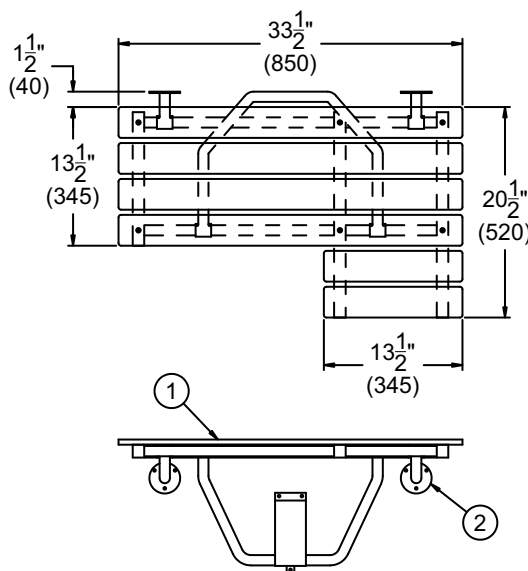
## BASE MODEL NUMBER (Must Specify)

- 1103-11 Padded Seat, Left Hand
- 1103-12 Padded Seat, Right Hand
- 1103-21 Phenolic Seat, Left Hand
- 1103-22 Phenolic Seat, Right Hand
- 1103-31 Stainless Steel Seat, Left Hand
- 1103-32 Stainless Steel Seat, Right Hand

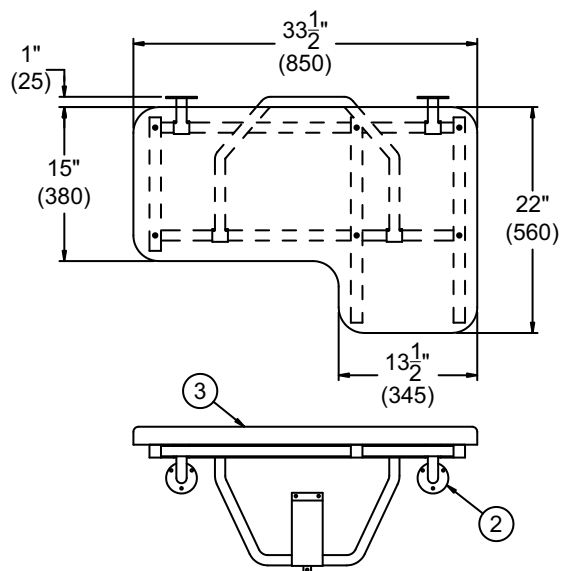
## PRODUCT OPTIONS

- None

Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.



MODEL #1103-22 RIGHT HAND SHOWN  
#1103-21 LEFT HAND OPPOSITE



MODEL #1103-12 RIGHT HAND SHOWN  
#1103-11 LEFT HAND OPPOSITE

### NOTES:

- 1. PHENOLIC SLATES
- 2. MOUNTING FLANGES
- 3. PADDED SEAT

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

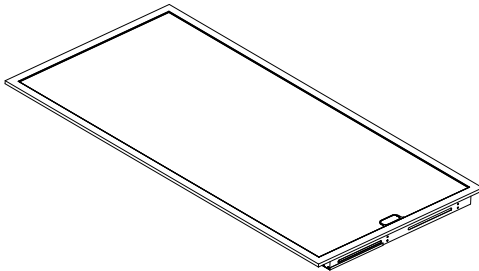
<p><b>Important:</b> Installation instructions and current rough-in are furnished with each fixture. Do not rough in without certified dimensions. Dimensions are subject to manufacturer's tolerance of plus or minus 1/4" and change without notice. Acorn assumes no responsibility for use of void or superseded data. © Copyright 2004 Acorn Engineering Company</p>	
<p style="text-align: center;">Selection Summary</p> <p>Model No. &amp; Option _____</p> <p>Quantity _____</p>	<p style="text-align: center;">Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>



# Specification

---

- Item - **36659D**
- Model - **LED PANEL 2X4 WATT/CCT Selectable**
- Bulb Type - **LED**
- Input Voltage - **120-277VAC 50/60Hz**
- Watts - **30/40/50 W**
- Length - **47.8"(1213mm)**
- Width - **23.7"(603mm)**
- Height - **1.5"(37.5mm)**
- Color Temp - **3500K-5000K**
- CRI - **≥ 80**
- Lumen - **3300/4400/5500 lm**
- Lumen efficacy - **110lm/w**
- Power factor - **≥ 0.9**
- Finish - **White**
- Dimmable - **Yes, 0-10V (motion sensor wire must be cut)**
- Damp location - **Yes**
- Life - **50,000 Hours**
- Ambient operating temp - **-4°F to 122°F**
- Surge Protection - **2KV**
- Average Beam Angle - **110°**
  - **Type IC**
  - **Motion Sensor Optional (37122B)**



---

**36659D**  
**LED PANEL**

**DAMAR**® Lighting  
805 N Carnation Drive  
Aurora, MO 65605 the World

# Standard FRP

## Smooth & Pebbled



**Stain  
Resistant**



**Impact  
Resistant**



**Water  
Resistant**



**Scratch  
Resistant**



**Fire  
Rated**

**A Leading Producer of FRP**

# What is Fiberglass Reinforced Plastic (FRP)?

FRP is a homogeneous mixture of fiberglass, calcium carbonate, and resin. Available in pebble textured and smooth surfaces, FRP provides great durability for high wear and even moist environments. It's economical to install, easy to maintain and a breeze to sanitize over and over again.



## Panel Information

### FRP Panel Sizes

#### Class C Fire-rated:

Standard Panel Sizes - 4' x 8'  
4' x 9'\* (select finishes)  
4' x 10'  
4' x 12' (P100 White Only)

Panel Thickness - 3/32" or .090" (nominal)

#### Class A Fire-rated:

Standard Panel Sizes - 4' x 8'  
4' x 9'\* (P100 White Only)  
4' x 10'

Panel Thickness - 3/32" or .090" (nominal)

### FRP Ceiling Panels

#### FRP P100CP White

Size - 2' x 4' x .090" (Class C)  
2' x 2' x .090" (Class C, Class A)

#### FRP P100CP w/Gypsum

Size - 2' x 4' x 23/32" (Class A)  
.090" FRP laminated to 5/8"  
fire-rated Gypsum



Marlite Standard FRP is GREENGUARD Children & Schools Certified for low chemical emissions.

# The Industry Standard for FRP!

# Finishes

## Pebbled (\*available in 4' x 9' x 3/32")



**P 100 White**  
Class C\*  
Class A\*

**P 199 Bright White**  
Class C\*  
Class A

**P 118 Natural Almond**  
Class C\*  
Class A

**P 145 Silver**  
Class C\*  
Class A

**P 106 Beige**  
Class C  
Class A



**P 140 Ivory**  
Class C\*  
Class A

**P 440N Biscuit**  
Class C

**P 151 Light Grey**  
Class C\*  
Class A

**P 430N Medium Grey**  
Class C

**P 470N Dark Grey**  
Class C



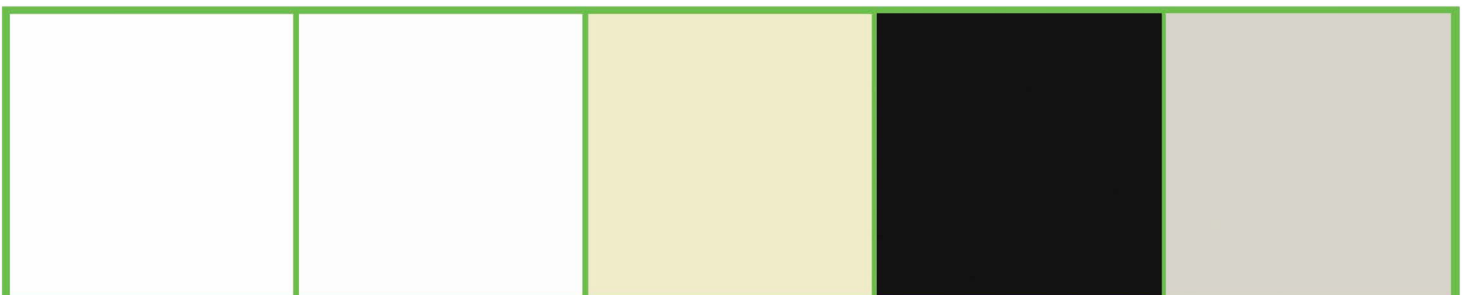
**P 807 Black**  
Class C

Approved by Canadian Food Inspection Agency and Agriculture Canada.

Meets USDA/FSIS requirements.



## Smooth



**S 100 S/2/S White**  
Class C  
Class A

**S 100G White**  
Class C  
Class A

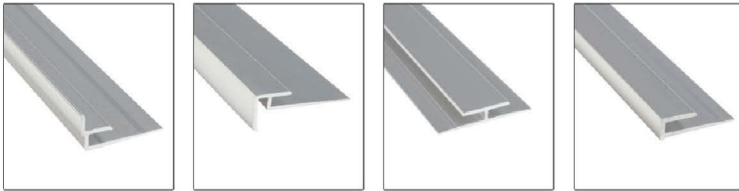
**S 118G Almond**  
Class C

**S 807N Smooth Black**  
Class C

**S 490N Light Grey**  
Class C  
Class A

# Trim Options

## Anodized Aluminum Trim



Inside Corner  
A550

Outside Corner  
A560

Division  
A565

Edge  
A570

## PVC Trim



Outside Corner  
M360

Inside Corner  
M350

Edge  
M370

Division  
M365



Inside Corner  
V177 135°



Outside Corner  
V179 135°

# Moldings & Guards



PVC Base Molding  
4" wide x 10' long



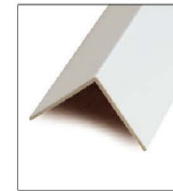
Outside Corner  
M660



Inside Corner  
M651



End Caps  
M625 RH  
M620 LH



PVC Outside  
Corner Guard  
M961



Stainless  
Corner Guard  
F560SS



Base Cove  
V65 3"



Butt-Joint  
Connector  
-Included with  
Base Molding  
Strips

# Installation



FRP Panels can be easily cut with a table saw.



Apply Marlite Brand Adhesive to the back of panels and apply to a subwall.



Adhere panel to subwall.



Slide division molding under edge of first panel.



Staple division molding to subwall along resealed edge.



Adhere second panel in place and repeat.

## Installation with Seam Joint



### Sealants

(10 oz. Cartridge)  
MS-250 Clear  
MS-251 White  
Color Matched

### Adhesives

(3.5 gallon cans)  
C-915 Adhesive  
Adv Polymer Adhesive  
C-551 Adhesive



Follow us on:



www.marlite.com  
800.377.1221

LIT-FRP-202101  
Effective date: 11/30/2021  
Copyright 2021



**MODEL NUMBER AND OPTIONS SELECTION:**

**BASE MODEL NUMBER**

- WH2142-ADA-W-2-EGE10 Wall Outlet, Siphon Jet Toilet
- WH2142-ADA-W-3-EGE10\_10 Floor Outlet, Siphon Jet Toilet (10" rough-in from wall to the center of waste outlet)
- WH2142-ADA-W-3-EGE10\_12 Floor Outlet, Siphon Jet Toilet (12" rough-in from wall to the center of waste outlet)

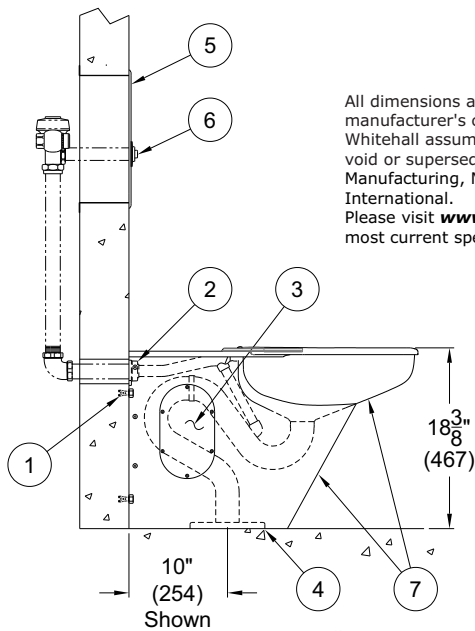
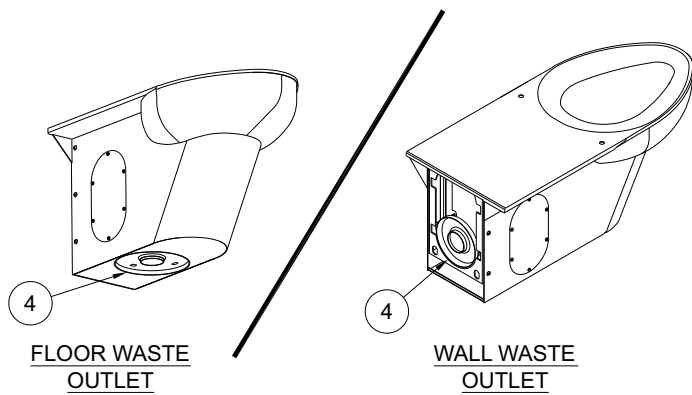
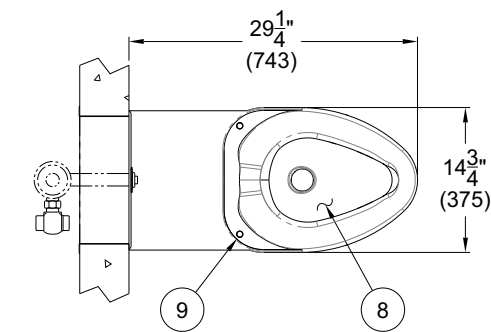
**Optional Flush Valve:**

- HET 1.28 Hydraulic GPF
- ULF 1.6 Hydraulic GPF

**Accessories:**

Note: Gray Ligature Resistant Seat Cover is Standard

- WH-LRSC-WHITE Ligature Resistant Seat Cover, White (Shipped Loose)
- WH-LRSC-BLACK Ligature Resistant Seat Cover, Black (Shipped Loose)



All dimensions are nominal and subject to manufacturer's change without notice. Whitehall assumes no responsibility for use of void or superseded data © Whitehall Manufacturing, Member of Morris Group International. Please visit [www.whitehallmfg.com](http://www.whitehallmfg.com) for most current specifications.

**Notes:**

1. Wall Mounting Hardware by others
2. 1-1/2" Female NPT Flushing Inlet
3. Access Panel (Both Sides)
4. Toilet Waste Outlet
5. WH2898 Access Panel and Flush Valve (Shown for reference)
6. Hydraulic Flush Valve Pushbutton Actuator
7. Exterior Surfaces Powder Coated White
8. Interior of Toilet w/ Satin Finish (Not Powder Coated)
9. WH-LRSC-GRAY Whitehall Ligature Resistant ABS Toilet Seat Cover

MODEL# WH2142-ADA-W-3\_10

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**DISCLAIMER:**

This product is designed to decrease the probability that it may be utilized as an apparatus for ligature. It is not a replacement for professionals who are trained in the proper evaluation, management and supervision of persons at risk of suicide.

**SELECTION SUMMARY & APPROVAL FOR MANUFACTURING**

Model Number & Options \_\_\_\_\_ Quantity \_\_\_\_\_  
 Company \_\_\_\_\_ Date \_\_\_\_\_  
 Contact \_\_\_\_\_ Title \_\_\_\_\_  
 Approval for Manufacturing/Signature \_\_\_\_\_



## Whitehall Ligature Resistant Siphon Jet Toilet

Model WH2142-W-EGE10  
 (Wall Supply)

Change to a white  
 seat instead of the  
 gray.



WH2142-W-EGE10

### Ligature Resistant Siphon Jet Toilet

**Ligature Resistant Siphon Jet Toilet** is arranged to be installed against a finished wall from the front side with a fixture-to-wall mounting channel. Unit is fabricated from 16 gage, type 304 stainless steel and is seamless welded construction with exterior surfaces powder coated white (interior of toilet will have a satin finish and will not be powder coated). Toilet will be provided with WH-LRSC-GRAY Ligature Resistant ABS Toilet Seat Cover.

**Toilet** is siphon jet type with an elongated bowl manufactured to comply with ASME A112.19.3 and CSA B45.4 standards. Toilet requires a minimum of 25 PSI flow pressure and uses a minimum water consumption of 1.28 GPF. Trap has a minimum 3-1/2" seal, will pass a 2-1/8" ball and is fully enclosed. Toilet has a 1-1/2" NPT flushing inlet connection. Wall waste outlet connection is a 5-1/2" gasket flange. Floor waste outlet locations from rear of fixture are 10" or 12" with a 7-1/2 gasket flange.

**Optional Flush Valve** is concealed type with cast bronze body. Flush valve supply is available in 1.28 GPF and 1.6 GPF. All exposed parts are chrome plated.

### GUIDE SPECIFICATION

Provide and install Whitehall Best-Care™ Ligature Resistant Toilet (specify model number and options). Fixture shall be fabricated from 16 gage, type 304 stainless steel. Construction shall be seamless welded and exterior surfaces are powder coated white. Housing to include side access panels. Toilet shall be concealed siphon jet type with an elongated bowl and self-draining flushing rim. Toilet shall be ASME A112.19.3 and CSA B45.4 compliant. Toilet requires a minimum of 25 PSI flow pressure and uses a minimum water consumption of 1.28 GPF. Toilet trap shall have a minimum 3-1/2" seal and shall pass a 2-1/8" diameter ball and is fully enclosed. Provided with WH-LRSC-GRAY Ligature Resistant ABS Toilet Seat Cover.

• **Patented US 10,052,000 B2**

Please visit [www.whitehallmfg.com](http://www.whitehallmfg.com) for most current specifications.



Member of  
 U.S. Green  
 Building  
 Council



Recyclable  
 Product



Water  
 Conserving  
 Product

Complies  
 with the  
 following  
 standards:





**MODEL NUMBER AND OPTIONS SELECTION:**

**BASE MODEL NUMBER**

- WH2142W-2-EGE10 Wall Outlet, Siphon Jet Toilet
- WH2142W-3-EGE10\_10 Floor Outlet, Siphon Jet Toilet (10" rough-in from wall to the center of waste outlet)
- WH2142W-3-EGE10\_12 Floor Outlet, Siphon Jet Toilet (12" rough-in from wall to the center of waste outlet)

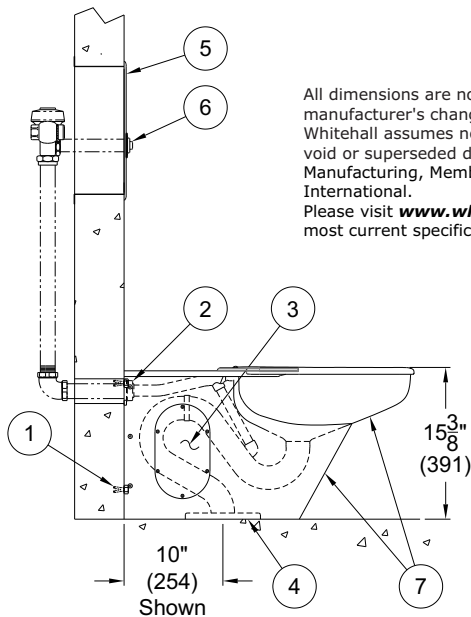
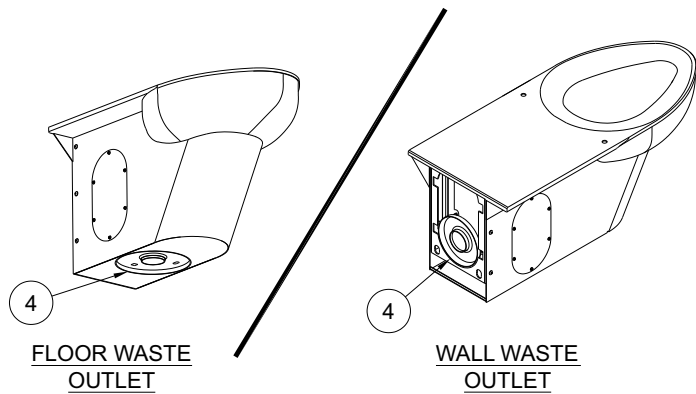
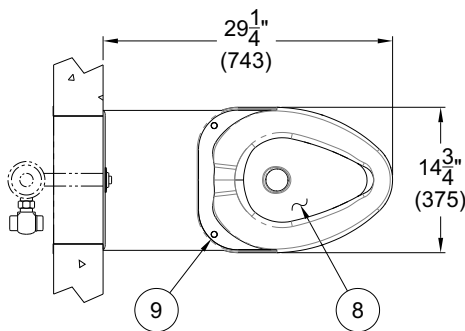
**Optional Flush Valve:**

- HET 1.28 GPF
- ULF 1.6 GPF

**Accessories:**

Note: Gray Ligature Resistant Seat Cover is Standard

- WH-LRSC-WHITE Ligature Resistant Seat Cover, White (Shipped Loose)
- WH-LRSC-BLACK Ligature Resistant Seat Cover, Black (Shipped Loose)



All dimensions are nominal and subject to manufacturer's change without notice. Whitehall assumes no responsibility for use of void or superseded data © Whitehall Manufacturing, Member of Morris Group International. Please visit [www.whitehallmfg.com](http://www.whitehallmfg.com) for most current specifications.

**Notes:**

1. Wall Mounting Hardware by others
2. 1-1/2" Female NPT Flushing Inlet
3. Access Panel (Both Sides)
4. Toilet Waste Outlet
5. WH2898 Access Panel and Flush Valve (Shown for reference)
6. Mechanical Flush Valve Pushbutton Actuator
7. Exterior Surfaces Powder Coated White
8. Interior of Toilet w/ Satin Finish (Not Powder Coated)
9. WH-LRSC-GRAY Whitehall Ligature Resistant ABS Toilet Seat Cover

MODEL# WH2142-W-3\_10 SHOWN

**⚠ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

**DISCLAIMER:**

This product is designed to decrease the probability that it may be utilized as an apparatus for ligature. It is not a replacement for professionals who are trained in the proper evaluation, management and supervision of persons at risk of suicide.

**SELECTION SUMMARY & APPROVAL FOR MANUFACTURING**

Model Number & Options \_\_\_\_\_ Quantity \_\_\_\_\_  
 Company \_\_\_\_\_ Date \_\_\_\_\_  
 Contact \_\_\_\_\_ Title \_\_\_\_\_  
 Approval for Manufacturing/Signature \_\_\_\_\_





**Whitehall Manufacturing®**  
 Manufacturer of Healthcare and Rehabilitation Products since 1946

**BestCare®**  
 Patients, Not Prisoners®

**Healthcare and Ligature  
 Resistant Products**

Division of  
 Acorn Engineering Company®



A MEMBER OF



## Whitehall Ligature Resistant High Efficiency Urinal

Model WH2158-W-SLPT-EB-EG10  
 (Wall Supply)



WH2158-W-SLPT-EB-EG10

### Ligature Resistant High Efficiency Urinal

**High Efficiency Urinal** is engineered to combine attractive looks, versatility and intended for mounting onto a finished wall from the front side.

**Fixture** housing is fabricated of 18 gage, with bowl of 16 gage, type 304 stainless steel. All exposed surfaces are powder coated white.

**Urinal** is a high efficiency type requiring a 0.125 GPF (0.47 Liters per flush) to 0.5 GPF (1.8 Liters per flush) flush valve and supplied with 3/4" NPT flushing inlet connection and stainless steel bee hive dome strainer with 1-1/2" O.D. P-Trap assembly.

**Optional Flush Valve** is concealed type with cast bronze body. Flush valve supply is available in 0.125 GPF and 0.5 GPF.

**Installation** is front mount and the fixture includes an enclosed bottom with access panel that can be removed to facilitate mounting directly to a reinforced wall from within the housing.

### GUIDE SPECIFICATION

Provide Ligature Resistant Stainless Steel High Efficiency Urinal (specify model number and options). Interior to have a contoured surface to facilitate cleaning. Unit has an enclosed bottom with removable access panel. Fixture shall be fabricated of 18 gage, with 16 gage bowl, type 304 stainless steel. All exposed surfaces are powder coated white.

Please visit [www.whitehallmfg.com](http://www.whitehallmfg.com) for most current specifications.



Member of  
 U.S. Green  
 Building  
 Council



Recyclable  
 Product



Water  
 Conserving  
 Product

Complies  
 with the  
 following  
 standards:





**MODEL AND OPTIONS SELECTION:**

**BASE MODEL NUMBER**

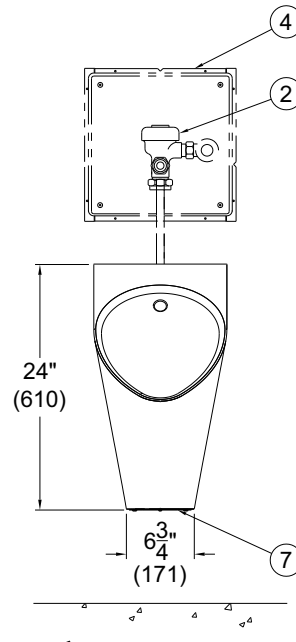
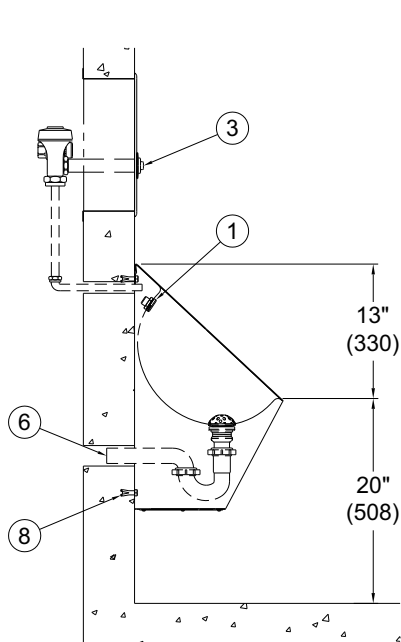
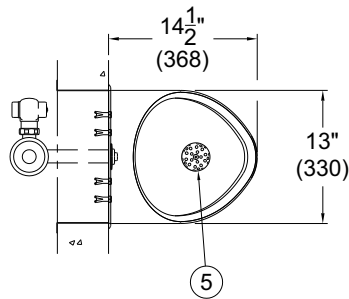
WH2158-W-SLPT-EB-EG10      Ligature Resistant Urinal (White)

**With Optional Flush Valve (Must Specify):**

- WH2158-W-SLPT-EB-EG10-0.125    Ligature Resistant Urinal with 0.125 GPF Flush Valve (White)
- WH2158-W-SLPT-EB-EG10-0.5      Ligature Resistant Urinal with 0.5 GPF Flush Valve (White)

**NOTES:**

1. Flush Nozzle
2. Flush Valve
3. Pushbutton
4. 2898 Flush Valve Access Panel  
(Shown For Reference)
5. Removable Strainer Assembly
6. 1-1/2" O.D. P-Trap Assembly
7. Removable Access Panel
8. Wall Mounting Anchors  
(By Others)



MODEL #WH2158W-SLPT-EB

**DISCLAIMER:**

This product is designed to decrease the probability that it may be utilized as an apparatus for ligature. It is not a replacement for professionals who are trained in the proper evaluation, management and supervision of persons at risk of suicide.

**⚠ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

**SELECTION SUMMARY & APPROVAL FOR MANUFACTURING**

Model Number & Options \_\_\_\_\_ Quantity \_\_\_\_\_  
 Company \_\_\_\_\_ Date \_\_\_\_\_  
 Contact \_\_\_\_\_ Title \_\_\_\_\_  
 Approval for Manufacturing/Signature \_\_\_\_\_

All dimensions are nominal and subject to manufacturer's change without notice. Whitehall assumes no responsibility for use of void or superseded data © Whitehall Manufacturing, Member of Morris Group International. Please visit [www.whitehallmfg.com](http://www.whitehallmfg.com) for most current specifications.



1. Ghost Whisperer  
PPG1039-1



2. Mirror Mirror  
PPG1039-3



3. Blue Bows  
PPG1158-3



5. Butter  
PPG1213-3



4. Cosmopolitan  
PPG1158-5

**1. Ghost Whisper PPG1039-1** – This would be the base color/main color for everything

**2. Mirror Mirror PPG1039-3** – This is a darker gray that can be used as accent or for trim or exterior

**3. Blue Bows PPG1158-3** – This would only be used as an accent

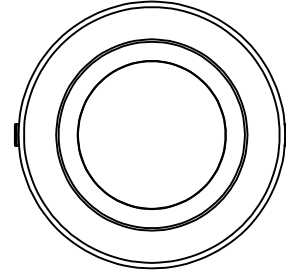
**4. Cosmopolitan PPG1158-3** – A darker blue that can be used as accent ONLY in staff space (offices, conference rooms, breakrooms, etc)

**5. Butter PPG1213-3** – This would only be used as an accent color

Sarah Gomez  
Color & Design Manager TX & LA  
[sarahgomez@ppg.com](mailto:sarahgomez@ppg.com)

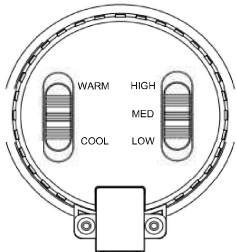
## Introduction

- For retrofit or new construction installation
- Universal housing compatibility
- Adjustable lumen output and Color – 3 defined light levels, Power(22W/15W/10W),Color(3000K/4000K/5000K CCT)
- Easy fit installation – Spring-action housing clips
- Universal voltage 110-277V

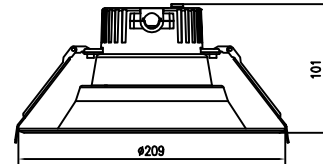


## ORDERING INFORMATION

### Adjustable Lumen Output and Color



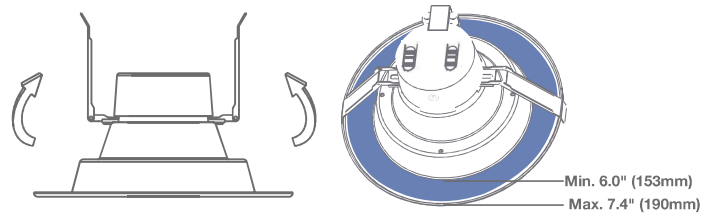
Model	PRODUCT FEATURES			
	Lumens Power	Color (30K)	Color (40K)	Color (50K)
1787	LOW-10W	850	900	900
	MED-15W	1250	1350	1350
	HIGH-22W	1750	1950	1950



This commercial downlight features adjustable lumen output for three distinct lumen levels equivalent to various CFL lamp combinations. Simply adjust the lamp power or color to the desired lumen output by sliding the selector switch on top of the fixture.

### Easy-Fit Installation

The adjustable housing clips allow for installation in a large range of commercial and architectural housings ranging from 6.0"-7.4" (153-190mm). These spring-action clips push up easily and fit securely for both retrofit and new construction installations.



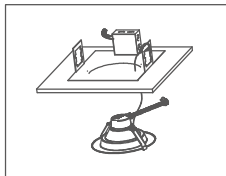
### Electrical Data

MODEL	INPUT (VAC)	CURRENT	POWER (W)	LEDS	LED CURRENT	CRI	CCT
1787	110-277	0.08	10	60	0.05	90	3000
		0.12	15		0.07		4000
		0.18	22		0.11		5000

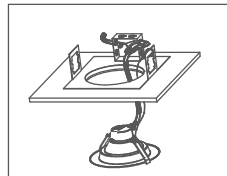
Recessed Light fixture for the corridor

## SIMPLE RETROFIT OR ECONOMICAL NEW CONSTRUCTION INSTALLATION

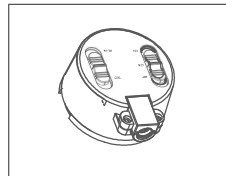
### Retrofit Installation



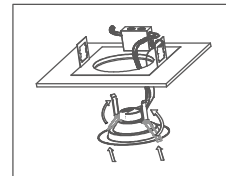
Attach safety clip



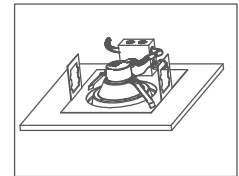
Bypass ballast & wire to j-box



Adjust lumens or color to desired output

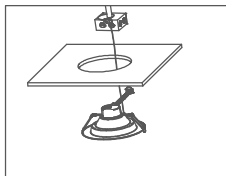


Push clips up & install into fixture

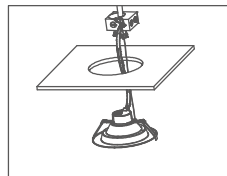


Ensure fixture is flush. Installation is complete

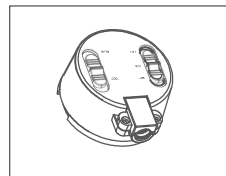
### New Construction Installation



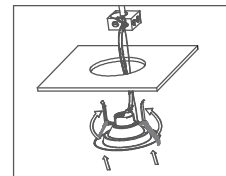
Attach safety clip



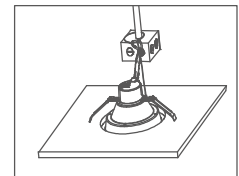
Wire to j-box



Adjust lumens or color to desired output



Push clips up & install into opening



Ensure fixture is flush. Installation is complete

## WARRANTY

- Five year limited warranty is standard on luminaire and components .



## ENERGY STAR CERTIFIED Light Fixtures

# LIGHT THE FUTURE - SSL Recessed Downlights : D846-90-10

## Specifications

<b>ENERGY STAR Unique ID:</b>	2351872
<b>ENERGY STAR Partner:</b>	Taizhou JiaoGuang Lighting Co. Ltd.
<b>Brand Name:</b>	LIGHT THE FUTURE
<b>Model Name:</b>	SSL Recessed Downlights
<b>Model Number:</b>	D846-90-10
<b>Indoor/Outdoor:</b>	Indoor
<b>Fixture Type:</b>	Downlight Recessed
<b>Technology:</b>	LED
<b>Total Light Output (lumens):</b>	2000
<b>Appearance/Correlated Color Temperature (K):</b>	4000/4100K,3000K,5000K
<b>Total Input Power (Watts):</b>	22.0
<b>Color Quality (CRI):</b>	92
<b>Energy Efficiency - Measured Outside the Fixture (lumens/Watt):</b>	90.9
<b>Power Factor:</b>	0.99
<b>Light Sources Per Fixture:</b>	1
<b>Light Source Life (hrs):</b>	50000
<b>Can Size(s):</b>	6
<b>Can Rating(s):</b>	Type IC
<b>Special Features:</b>	Continuously Dimmable,Color Tunable,Wet Location Rated
<b>Light Source Connection/Base Type:</b>	N/A
<b>Date Available On Market:</b>	2019-06-01
<b>Date Certified:</b>	2022-06-06
<b>Markets:</b>	United States, Canada
<b>ENERGY STAR Certified:</b>	Yes

## Additional Model Information

„This is a multi-power product, it can be adjusted the power to 30W, 20W, 12W.

**Captured On:**  
10/31/2024

6" Commercial Downlight CCT Select, Wattage Select  
MODEL:D846-90-10  
Item #: 1787  
INPUT: 110-277V  
POWER:22W/15W/10W CRI:>90  
LUMENS:1750/1950/1950LMS CCT:30/40/50K  
CONFORMS TO UL 1598:2021 Ed.5  
CERTIFIED TO CSA C22.2#250.0:2021 Ed.5  
LIGHT THE FUTURE  
MADE IN CHINA 0723



**Intertek**  
4008281



CAUTION  
FOR USE AS  
POUR USA  
FIXATION  
MIN 90°C  
TYPE IC  
INHERE  
VAPOR  
ACCE  
BLIN  
LA  
S



# AMERLOCK® 2 / SIGMACOVER™ 2

## Bathroom Paint

### DESCRIPTION

Two-component, high solids epoxy coating

### PRINCIPAL CHARACTERISTICS

- Low-temperature curing down to 0°C (32°F)
- High performance self priming universal epoxy
- High solids, low VOC
- Surface tolerant and abrasion resistant
- Compatible with prepared, damp surfaces
- Good adhesion on most existing coatings
- Good resistance to splash and spillage of chemicals
- Meets NSF Standard 61 for tanks, pipes, valves and fittings (US manufacturing only)
- Proven coating as a bulk rail lining and DTM exterior coating

### COLOR AND GLOSS LEVEL

- Standard primer colors and custom colors
- Semi-gloss

Note: Epoxy coatings will chalk and fade with exposure to sunlight. Light colors are prone to ambering to some extent. Note that product tinted to custom colors are not recommended for immersion service. Only use factory grind batches for immersion

### BASIC DATA AT 10°C (50°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	85 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 114.0 g/kg max. 163.0 g/l (approx. 1.4 lb/US gal) EPA Method 24: 1.5 lb/US gal (180.0 g/l) China GB 30981-2020 (tested) 112.0 g/l (approx. 0.9 lb/gal)
Temperature resistance (Continuous)	To 120°C (250°F)
Temperature resistance (Intermittent)	To 175°C (350°F)
Recommended dry film thickness	100 - 200 µm (4.0 - 8.0 mils)
Theoretical spreading rate	8.5 m <sup>2</sup> /l for 100 µm (341 ft <sup>2</sup> /US gal for 4.0 mils)
Dry to touch	6 hours
Overcoating Interval	See overcoating tables





# AMERLOCK® 2 / SIGMACOVER™ 2

## Data for mixed product

<b>Shelf life</b>	Base: at least 36 months when stored cool and dry Hardener: at least 24 months when stored cool and dry
-------------------	--

### Notes:

- See ADDITIONAL DATA – Spreading rate and film thickness
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time
- For compliance with regulations which require VOC less than 100 g/L, AMERLOCK 2 VOC can be specified interchangeably
- AMERLOCK 2 VOC is available only in US and Canada
- Intermittent temperature resistance should be less than 5% of the time, and maximum 24 hours
- Temperature resistance is in atmospheric condition. Please contact your PPG representative for immersion condition.

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Remove all loose paint, mill scale, and rust. The surface to be coated must be dimensionally stable, dry, clean and free of grease, oil, and other foreign materials. When proper abrasive blast surface preparation is not practical, surfaces should be chipped clean and wire brushed to bare, clean material

### Carbon steel

- For immersion service: steel; blast cleaned to ISO-Sa2½ (SSPC SP-10)
- For atmospheric service, abrasive blast to ISO-Sa2½ or minimum SSPC SP-6, power tool cleaned to ISO-St3 (SSPC SP-3) or hand tool cleaned to ISO-St2 (SSPC SP-2) or ultra high pressure water jet to SSPC SP WJ-2(L) / NACE WJ-2(L)

### Concrete / Masonry

- Remove grease, oil and other penetrating contaminants according to ASTM D4258
- Abrade the surface per ASTM D4259 to remove all chalk and surface glaze or laitance. Achieve surface profile - ICRI CSP 3 to 5
- Fill voids as necessary with AMERCOAT 114 A epoxy filler
- Maximum recommended moisture transmission rate is 3 lbs / 1,000 ft<sup>2</sup> / 24 hours by moisture transmission test (ASTM F1869, calcium chloride test or by ASTM D4263, plastic sheet test)
- Alternatively, ASTM D4944 (Calcium Carbide Gas method) can be used, moisture content should not exceed 4%

### Galvanized steel

- Remove oil or soap film with detergent or emulsion cleaner
- Lightly abrasive blast with a fine abrasive in accordance with SSPC SP-16 guidelines to achieve a profile of 40 - 75 µm (1.5 - 3.0 mils). When light abrasive blasting is not possible, galvanizing can be treated with a suitable zinc phosphate conversion coating
- Galvanizing that has had at least 12 months of exterior weathering may be coated after power washing to remove all contaminants and white rust



# AMERLOCK® 2 / SIGMACOVER™ 2

## **Non-ferrous metals and stainless steel**

- Remove all rust, dirt, moisture, grease or other contaminants from the surface
- Lightly abrasive blast with a fine abrasive in accordance with SSPC SP-16 guidelines to achieve a profile of 40 - 100 µm (1.5 - 4.0 mils)

## **Aged coatings and repairs**

- Aged suitable coating must be dry and free from any contamination
- For single-pack coatings, extra precautions are necessary

## **Substrate temperature**

- Substrate temperature during application and curing should be between 0°C (32°F) and 50°C (122°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point

## **SYSTEM SPECIFICATION**

- Primers: Direct to substrate; DIMETCOTE Series, AMERCOAT 68 Series, AMERLOCK 2 / 400 Series, SIGMAZINC Series, AMERCOAT Epoxies and SIGMA Epoxies
- Topcoats: AMERCOAT 450 Series, SIGMADUR Series, SIGMACOVER Epoxies, AMERCOAT Epoxies, AMERSHIELD and PSX 700

Note: Please contact your PPG representative if using an alternate primer

## **INSTRUCTIONS FOR USE**

### **Mixing ratio by volume: base to hardener 50:50 (1:1)**

- The paint should be stirred well before use, preferably by means of a mechanical mixer, to ensure homogeneity
- Add hardener to base and continue stirring until homogeneous

### **Induction time**

<b>Mixed product induction time</b>	
<b>Mixed product temperature</b>	<b>Induction time</b>
0°C (32°F)	45 minutes
10°C (50°F)	30 minutes
15°C (59°F)	20 minutes
20°C (68°F)	10 minutes
Above 23°C (73°F)	None

### **Pot life**

2 hours at 10°C (50°F)

Note: See ADDITIONAL DATA – Pot life



# AMERLOCK® 2 / SIGMACOVER™ 2

## Air spray

### **Recommended thinner**

THINNER 91-92 FOR GLOBAL, THINNER 91-34 (AMERCOAT 8) FOR NSF/ANSI 61, THINNER 91-82 (AMERCOAT T10) for NON NSF/ANSI 61 and  $\leq 90^{\circ}\text{F}$  ( $32^{\circ}\text{C}$ ), THINNER 21-25 (AMERCOAT 101) for NON NSF/ANSI 61 and  $> 90^{\circ}\text{F}$  ( $32^{\circ}\text{C}$ )

### **Volume of thinner**

0 - 10%, depending on required thickness and application conditions

## Airless spray

### **Recommended thinner**

THINNER 91-92 FOR GLOBAL, THINNER 91-34 (AMERCOAT 8) FOR NSF/ANSI 61, THINNER 91-82 (AMERCOAT T10) for NON NSF/ANSI 61 and  $\leq 90^{\circ}\text{F}$  ( $32^{\circ}\text{C}$ ), THINNER 21-25 (AMERCOAT 101) for NON NSF/ANSI 61 and  $> 90^{\circ}\text{F}$  ( $32^{\circ}\text{C}$ )

### **Volume of thinner**

0 - 5%, depending on required thickness and application conditions

### **Nozzle orifice**

Approx. 0.48 mm (0.019 in)

### **Nozzle pressure**

15.0 - 18.0 MPa (approx. 150 - 180 bar; 2176 - 2611 p.s.i.)

## Brush/roller

- Apply evenly using a well-loaded brush or roller
- Application by brush or roller will provide approximately 80  $\mu\text{m}$  (3.1 mils) DFT in a single-coat application

## Cleaning solvent

THINNER 90-53, THINNER 90-58 (AMERCOAT 12) OR THINNER 21-06 (AMERCOAT 65)

## ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
100 $\mu\text{m}$ (4.0 mils)	8.5 $\text{m}^2/\text{l}$ (341 $\text{ft}^2/\text{US gal}$ )
125 $\mu\text{m}$ (5.0 mils)	6.8 $\text{m}^2/\text{l}$ (273 $\text{ft}^2/\text{US gal}$ )
200 $\mu\text{m}$ (8.0 mils)	4.3 $\text{m}^2/\text{l}$ (170 $\text{ft}^2/\text{US gal}$ )

# AMERLOCK® 2 / SIGMACOVER™ 2

Overcoating interval for DFT up to 200 µm (8.0 mils)					
Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself and various two-pack epoxy coatings	Minimum	24 hours	12 hours	6 hours	3 hours
	Maximum	1 month	1 month	1 month	1 month
urethane and PSX	Minimum	24 hours	12 hours	6 hours	3 hours
	Maximum	14 days	14 days	7 days	4 days

## Notes:

- Surface should be dry and free from any contamination
- A detergent wash with PREP 88 or equivalent is recommended prior to application of topcoats after 30 days of exposure if chalking or contamination is present
- If maximum recoat time has been exceeded, roughen surfaces
- Alkyd coatings and waterborne acrylic coatings should be applied after the film is dry to handle and not greater than three times dry to handle time
- Maximum recoating time is highly dependent upon actual surface temperature - not simply air temperatures. Sun-exposed or otherwise heated surface will shorten the maximum recoat window

Curing time for DFT up to 200 µm (8.0 mils)		
Substrate temperature	Dry to handle	Full cure
0°C (32°F)	38 hours	21 days
10°C (50°F)	14 hours	7 days
20°C (68°F)	5 hours	4 days
30°C (86°F)	3 hours	3 days

Note: Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)	
Mixed product temperature	Pot life
0°C (32°F)	4 hours
10°C (50°F)	2 hours
20°C (68°F)	1 hour
30°C (86°F)	30 minutes

## Product Qualifications

- NORSOK M501 Rev. 5, System 7 Subsea surfaces
- Compliant with USDA Incidental Food Contact Requirements
- NFPA Class A for Flame Spread and Smoke Development
- Qualified for ANSI/NSF Standard 61 (potable water). For NSF application instructions, please visit the following website: <http://www.nsf.org/certified-products-systems/>
- AWWA D102-06 ICS #1, #2, #3, #5
- Nuclear Service Level 2 (ANSI N 5.12 and ASTM D5144)
- LEED's compliant for Anti-corrosive Paint category



# AMERLOCK® 2 / SIGMACOVER™ 2

## SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

- EXPLANATION TO PRODUCT DATA SHEETS INFORMATION SHEET 1411

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

## LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgpmc.com](http://www.ppgpmc.com). The English text of this sheet shall prevail over any translation thereof.

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.



# PSX® 700

## Bathroom Paint

### DESCRIPTION

Two-component, engineered siloxane coating

### PRINCIPAL CHARACTERISTICS

- Unique, high gloss, isocyanate free solution
- Can be applied directly over inorganic zinc
- Excellent color and gloss retention
- Resists graffiti
- High solids, VOC compliant
- Applied by brush, roller or spray, without thinning
- Good resistance to splash and spillage of chemicals
- Can be applied as a single coat, direct-to-metal for moderately corrosive environments (ISO 12944 C1-C3)

### COLOR AND GLOSS LEVEL

- Full color range
- High gloss

### BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	90 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 119.0 g/kg max. 164.0 g/l (approx. 1.4 lb/US gal) EPA Method 24: 0.7 lb/US gal (83.9 g/l) China GB 30981-2020 (tested) 71.0 g/l (approx. 0.6 lb/gal)
Temperature resistance (Continuous)	To 120°C (250°F)
Recommended dry film thickness	75 - 175 µm (3.0 - 7.0 mils) per coat
Theoretical spreading rate	7.2 m <sup>2</sup> /l for 125 µm (289 ft <sup>2</sup> /US gal for 5.0 mils)
Dry to touch	2 hours
Overcoating Interval	Minimum: 3 hours Maximum: Unlimited
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Spreading rate and film thickness
- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time
- When applying more than one coat, it is recommended that the total DFT should not exceed 250 µm (10.0 mils)
- Color will drift at elevated temperatures



# PSX® 700

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation

---

### Substrate conditions

- Steel; pretreated minimum ISO-Sa2 (SSPC SP-6) or higher with blasting profile 25 – 75 µm (1.0 – 3.0 mils)
- For touch up and repair, power tool cleaning in accordance with SSPC SP-11 is acceptable
- Galvanized steel; sweep blasted to roughen the surface to remove any zinc salts which might be present, SSPC SP-16 with blasting profile 40 – 75 µm (1.5 – 3.0 mils)
- Stainless steel and non-ferrous metal; degreased and sweep blast, SSPC SP-16 with blasting profile 40 – 100 µm (1.5 – 4.0 mils)
- Concrete / Masonry; see specific primer
- Compatible previous coat must be dry and free from any contamination
- When applied to zinc silicate primer, a mist coat and full coat technique is required. 15% thinning is recommended for mist coat
- Aged suitable coating must be dry and free from any contamination, it may require abrading prior to applying this product
- Prepare damaged areas to original surface preparation specifications, feathering edges of intact coating

---

### Substrate temperature

- Substrate temperature during application and curing should be above 0°C (32°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should be between 40% and 80%

Note: FD hardener should be used when ambient temperature is below 5°C (40°F)

---

## SYSTEM SPECIFICATION

- Primers: Direct to substrate, DIMETCOTE Series, AMERCOAT 68 Series, AMERLOCK 400 / 2 Series, SIGMAZINC Series, AMERCOAT Epoxies and SIGMA Epoxies

---

## INSTRUCTIONS FOR USE

### Mixing ratio by volume: base to hardener 80:20 (4:1)

- Use a power mixer powered by an air or explosion-proof electric motor

---

### Induction time

None

---

### Pot life

4 hours at 20°C (68°F)

Note: See ADDITIONAL DATA – Pot life

---



# PSX® 700

## **Air spray**

### **Recommended thinner**

THINNER 60-12 (AMERCOAT 911) or THINNER 21-06 (AMERCOAT 65) for global, THINNER 21-25 (AMERCOAT 101) is recommended for above 90°F (32°C) in US only

### **Volume of thinner**

5 - 10%, depending on required thickness and application conditions

### **Nozzle orifice**

1.5 - 2.0 mm (approx. 0.060 - 0.079 in)

### **Nozzle pressure**

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

---

## **Airless spray**

### **Recommended thinner**

THINNER 60-12 (AMERCOAT 911) or THINNER 21-06 (AMERCOAT 65) for global, THINNER 21-25 (AMERCOAT 101) is recommended for above 90°F (32°C) in US only

### **Volume of thinner**

0 - 5%, depending on required thickness and application conditions

### **Nozzle orifice**

Approx. 0.38 - 0.48 mm (0.015 - 0.019 in)

### **Nozzle pressure**

20.0 MPa (approx. 200 bar; 2901 p.s.i.)

---

## **Brush/roller**

- The recommended DFT cannot be reached in one coat
  - Use a high quality natural bristle brush and / or solvent resistant, short nap roller. Ensure brush / roller is well loaded to avoid air entrainment
  - Maintain a wet edge
- 

## **Cleaning solvent**

THINNER 90-53, THINNER 90-58 (AMERCOAT 12) or THINNER 60-12 (AMERCOAT 911)

---



# PSX® 700

## ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
75 µm (3.0 mils)	12.0 m <sup>2</sup> /l (481 ft <sup>2</sup> /US gal)
125 µm (5.0 mils)	7.2 m <sup>2</sup> /l (289 ft <sup>2</sup> /US gal)
175 µm (7.0 mils)	5.1 m <sup>2</sup> /l (206 ft <sup>2</sup> /US gal)

Overcoating interval for DFT up to 175 µm (7.0 mils) at RH 40% or above						
Overcoating with...	Interval	0°C (32°F)	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself (when PSX 700 is used)	Minimum	N/A	20 hours	9 hours	4.5 hours	3 hours
	Maximum	N/A	Unlimited	Unlimited	Unlimited	Unlimited
itself (when PSX 700FD is used)	Minimum	20 hours	12 hours	7 hours	3 hours	2 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Notes:

- Surface should be dry and free from any contamination
- When re-coat between dry to handle time and 7 days, solvent wipe surface with any of PSX 700 thinners prior to application of the second coat of PSX 700
- Hardener manufactured in Europe is fast drying version only with "PSX 700 FDE Hardener" name

Curing time with standard hardener for DFT up to 175 µm (7.0 mils) at RH 40% or above		
Substrate temperature	Dry to touch	Dry to handle
5°C (41°F)	9 hours	24 hours
10°C (50°F)	6 hours	11 hours
20°C (68°F)	3 hours	6 hours
30°C (86°F)	1.5 hours	4 hours

Curing time with FD(fast drying) hardener for DFT up to 175 µm (7.0 mils) at RH 40% or above		
Substrate temperature	Dry to touch	Dry to handle
0°C (32°F)	9 hours	24 hours
5°C (41°F)	7 hours	16 hours
10°C (50°F)	4.5 hours	8.5 hours
20°C (68°F)	2 hours	4.5 hours
30°C (86°F)	1 hour	3 hours

Notes:

- Adequate ventilation must be maintained during application and curing
- Hardener manufactured in Europe is fast drying version only with "PSX 700 FDE Hardener" name



# PSX® 700

Pot life (at application viscosity)	
Mixed product temperature	Pot life
10°C (50°F)	6.5 hours
20°C (68°F)	4 hours
30°C (86°F)	1.5 hours

Note: Same pot life between normal and FD hardener

### Product Qualifications

- SSPC Paint 36 Level 3 Performance
- NFPA Class A Flame Spread
- Qualified for ISO 12944 C5 with several systems
- Qualified for NORSOK M501 Rev.6 System 1 with several systems
- Meets requirements of ANSI N5.12 and ASTM D5144 for Coating Service Level II

### SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

### WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

### REFERENCES

- EXPLANATION TO PRODUCT DATA SHEETS INFORMATION SHEET 1411

### WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product, THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.



# PSX® 700

## LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgpmc.com](http://www.ppgpmc.com). The English text of this sheet shall prevail over any translation thereof.

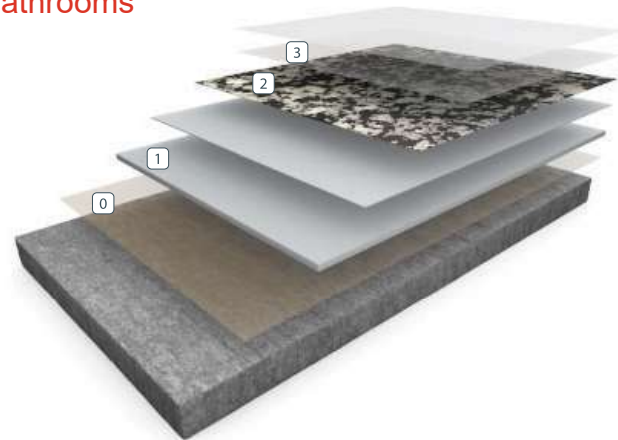
The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.



## FASTOP® DECO FLAKE SL45

Sherwin-Williams FasTop Deco Flake SL45 is a 3/16"-1/4" slurry, designed to provide a functional yet aesthetic floor system for pharmaceutical, research and biotech applications or other areas where a decorative heavy-duty floor is desired. The system combines a fast-curing, moisture-insensitive, three-component base material with a mosaic broadcast, sealed with a high-gloss, UV-stable, clear topcoat. FasTop Deco Flake SL45 is applied with a screed rake or flat trowel over a properly prepared concrete substrate or as an overlay to existing well-bonded resinous floors.

### Epoxy Floor for Bathrooms NON-SLIP



- 0 Primer (Optional)
- 1 Slurry
- 2 Broadcast
- 3 Grout and Topcoat

### BENEFITS

- Fast turnaround time
- Moisture insensitive
- High temperature resistance
- Attractive yet functional
- Wide selection of colored chip blends
- No moisture testing required
- Chemical resistant to a broad range of sterilants and disinfectants including:  
 STERIS: CIP 100, 200, 220, 300, Spor-Klenz®, Vesphene®, L pH se, Unicide 256, Saf-N-Kleen™, Acidulate 45T, Bleach, IPA, Clidox-S®, Diluted Phosphoric

### USES

- Production floors
- Animal holding/vivarium
- Laboratories
- Clean rooms
- Restrooms
- Change rooms

### TYPICAL PHYSICAL PROPERTIES

Color	Refer to color pack color card
Cure Time	
Recoat	3-5 hours
Foot Traffic	7-8 hours
Full Service	12 hours
Abrasion Resistance ASTM D4060	51 mgs lost
Hardness, Shore D ASTM D 2240	83
Tensile Strength ASTM C 307	944 psi
Compressive Strength ASTM C 579	6,926 psi
Flexural Strength ASTM C 580	1,909 psi
Adhesion ASTM 7234	523 psi concrete failure
Impact Resistance	IR4
Reaction to Fire	Bfl - s1
Thermal Expansion Coefficient	<38 PPM
Surface Frictional Properties ASTM E 303	-0.7 DCOF
Service Temperature at 3/16"	-50°F - 266°F
Shrinkage	Nil
Water Absorption	Karsten Test (impermeable) - Nil

## INSTALLATION

The following information is to be used as a guideline for the installation of FasTop Deco Flake SL45. 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.

## APPLICATION INFORMATION @ 3/16"-1/4"

### SURFACE PREPARATION — CONCRETE

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 4-6. Refer to Form G-1. Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

After initial preparation has occurred, inspect the concrete for bugholes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a Sherwin-Williams system filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

## TEMPERATURE

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

## APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT — CONCRETE	PACKAGING
<50 g/L 0	Cove Base	FasTop Multi Cove Base aggregate	2.0 kg mix (A+B) 22 lb.	15-20 lin. ft. @ 6" cove 1" radius 22 lb.	2.0 kgs. Sold in units only. 22 lb.
<75 g/L	Primer optional for outgassing	3477	2:1	250 sq. ft. / gal	3 or 15 gals
<50 g/L 0	Slurry	FasTop Multi SL45 aggregate	5.0 kg mix (A+B) 37 lb.	32-34 sq. ft. / unit @ 1/4" 22-24 sq. ft. / unit @ 3/8"	5.0 kgs 37 lb.
0	Broadcast	6750/6755 Mosaic	Broadcast for seeding	100 lb. / 1,000 sq. ft.	25-50 lb.
<100 g/L	Grout Coat	3746	2:1	160-200 sq. ft. / gal	3 or 15 gals
<50 g/L	Seal Coat	4686 (1 coat)	1:1	250-400 sq. ft. / gal	2 or 10 gals

Under certain conditions, an exudate can form on the surface of cured 4686. If an additional coat of 4686 is required, the surface should be sanded with a fine grit medium (80-120 grit or finer) and then solvent wiped prior to recoating.

For additional topcoat options, contact your Sherwin-Williams Representative.

## COVE BASE

### MIXING AND APPLICATION

Cove base should be installed prior to the floor. Tape out cove with duct tape or a good quality masking tape. Terrazzo strips will also work.

Mixing: Do not mix partial units, the fine aggregate and pigment can and will separate. A drill and a paddle work the best, but a KOL mixer works well also. Mix 1.0 kg of Part A with 1 color pack until uniform. Add 1.0 kg Part B and mix. Slowly add aggregate and mix until thoroughly wet out. Immediately pour mixed material out of bucket, in a bead, next to the wall. Roughly apply cove mortar using a trowel. Do not worry about trowel marks at this time; just get all the mixed material applied to the wall. Material will need to be finished within approximately 20 minutes depending on temperature. Placing a halogen light next to cove base will cast shadows and assist in finishing the cove base with minimal waves and/or trowel marks. Use a minimum of a 3/4" radius cove trowel and finish cove base. Using a smaller trowel may result in a loss of the radius once the floor is tied in. Lightly misting cove trowel with water works well as a trowel lube. Do not use isopropyl alcohol. Carefully remove tape and finish rough edges. Install floor once cove is hard to the touch, about 2½ to 3 hours.

Required Tools: Drill, proper mixing paddle, 3" x 8" trowel (works best to apply), margin trowel and a radius cove trowel (minimum of 3/4" but 1" is preferred).

## PRIMER: OPTIONAL

### MIXING AND APPLICATION

1. Premix 3477A (resin) and 3477B (hardener) separately, using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3477A (resin) to 1 part 3477B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. DO NOT mix more material than can be used within 4 hours. Apply material with a short nap roller at a spread rate of 250 square feet per gallon.
3. DO NOT ALLOW TO PUDDLE. Any uneven or textured surfaces will require more material than an even surface.
4. Proceed when tack-free, 1-4 hours on shot-blasted concrete.

## SLURRY

### MIXING AND APPLICATION

1. Add 2.5 kg Part A (resin) with 1 color pack. Mix until uniform. Add 2.5 kg Part B and mix with low-speed drill and Jiffy mixer until uniform.
2. Pour 37 lb. aggregate and 1 premeasured unit into container and mix until no lumps remain. Immediately pour mixed material onto the substrate and pull out using a pin rake, screed rake or flat trowel. Place all material within 15 minutes. Backroll with a spike roller to assist leveling. Allow material to self-level (2-5 minutes).

NOTE: At substrate temperature less than 40°F, the application will be adversely affected.

3. Broadcast flakes into wet slurry.
4. Allow to cure for 3-5 hours, must be hard enough to stand or walk on without leaving marks.

NOTE: The broadcast distribution is critical to the success of the application. The floor's finished appearance depends on the manner in which the aggregate has been applied. In grass seed-like fashion, allow the aggregate to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.

## GROUT COAT

### MIXING AND APPLICATION

1. Premix 3746A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material using a 1/4" nap roller at a spread rate of 160-200 square feet per gallon.
3. Allow to cure for a minimum of 6-8 hours. All imperfections such as high spots should be smoothed before the application of the seal coat.

NOTE: If using 4844 Pace-Cote as the final seal coat, you must lightly and uniformly sand the cured 3746 grout to remove surface gloss.

## SEAL COAT

### MIXING AND APPLICATION

#### DO NOT PREMIX PART B

1. Premix 4686 (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 4686A (resin) to 1 part 4686B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4686 using a 1/4" nap roller at a spread rate of 250-400 square feet per gallon. Take care not to puddle materials and ensure even coverage. If a second coat is required, the surface must be abraded with 80-120 grit paper or screen and tack wiped prior to second application.
4. Allow to cure 24 hours minimum before opening to traffic. 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 (40-90°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.