



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
MARJORY STONEMAN DOUGLAS BUILDING  
3900 COMMONWEALTH BOULEVARD  
TALLAHASSEE, FLORIDA 32399-3000

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

May 23, 2014

**NOTICE TO APPLICANTS  
ADDENDUM NO. ONE (1)**

**WEEKI WACHEE SPRINGS STATE PARK  
THEATER REROOF**

**DEP BID NO. BDC66-13/14**

TO BIDDERS AND PLAN HOLDERS ON THE ABOVE REFERENCED PROJECT:  
PLEASE NOTE CONTENTS HEREIN AND AFFIX (PASTE OR STAPLE) TO BID  
DOCUMENTS YOU HAVE ON HAND.

The following statements supersede and supplant the corresponding item in the  
specifications/drawings:

1. The Xtraflex, SBS modified bitumen roof system as manufactured by Polyglas, Inc. has been reviewed and is an acceptable alternate material. Refer to the attached submittal for details.
2. **Bid due date has been extended to Tuesday, June 3, 2014 at 2:00 P.M.** The bid results will be posted at 4:00 PM, Friday June 6, 2014.

In all other respects, the contract documents of which this is an Addendum, and attachments relative thereto, shall remain in full force and effect.

**NOTICE**

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It will be required that this addendum be signed in acknowledgment of receipt and that it be attached to Bid when same is submitted to Katie Parrish, Construction Projects Administrator II, Bureau of Design and Construction, 3900 Commonwealth Blvd. MS520, Tallahassee, Florida 32399-3000. Failure to do so may be grounds for rejection of the Bid

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Signature of Contractor and Date



**XTRAFLEX**<sup>®</sup>  
BY POLYGLASS

G |   
GLOBAL SHIELD<sup>®</sup>

## SUBSTITUTION REQUEST • PROJECT # 85.01

**Weeki Wachee Springs State Park – Mermaid Theater Roof**

**Gus Tsambis, Representative for Polyglass, Inc.**

**727-243-2723 • [gustsambis@icloud.com](mailto:gustsambis@icloud.com)**

**[www.xtraflexroofsystems.com](http://www.xtraflexroofsystems.com) • [www.globalshield.us](http://www.globalshield.us)**



# SUBSTITUTION REQUEST (During the Bidding Phase)

Project Weeki Wachee Springs State Park  
Mermaid Theater Roof Replacement

Substitution Request Number: 1

To: \_\_\_\_\_  
\_\_\_\_\_

From: Xtraflex by Polyglass

Date: 5-14-14

Project Number: 60894

Re: Substitution Request for Project

Contract For: State of Florida

Specification Title: Cold Applied, SBS –Modified Bituminous Membrane Roofing

Section: 07552 Page: \_\_\_\_\_ Article/Paragraph: Part 2: Products

Proposed Substitution: See Attached breakdown

Manufacturer: Polyglass USA Address: 111 W. Newport Center Dr. – Deerfield Beach, FL Phone: 800-222-9782

Trade Name: XtraFlex **Manufactured in Fernley, NV** Model No.: \_\_\_\_\_

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Lauren Anderson 770-974-2499 www.xtraflexroofsystems.com

Firm: GlobalShield, Inc. (Manufacturing XtraFlex by Polyglass)  
320 Northpoint Pkwy – Suite Q  
Acworth, GA 30102

### A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: \_\_\_\_\_

Date: \_\_\_\_\_

Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports  \_\_\_\_\_



**System Substitution Breakdown:**

	<b>XtraFlex Substitution</b>	<b>Johns Manville</b>
<b>Base &amp; ply Membrane</b>	<b>XtraFlex SBS Base SA</b>	<b>DynaBase</b>
	ASTM D6163 Type I	ASTM D6163 Type I
<b>(2 plies)</b>	80 mil Thickness	91mil Thickness
	Elongation 2%	Elongation 5%
<b>Membrane Cap</b>	<b>XtraFlex SBS G SA</b>	<b>DynaGlas FR CR</b>
	ASTM D6164 Type I	ASTM D6163 Type I
	140mils Thickness	157mils Thickness
<b>Asphalt Primer</b>	<b>XtraFlex 10</b>	
<b>Flashing Sheet</b>	<b>XtraFlex SBS G SA</b>	<b>DynaFlex CR</b>
	ASTM D 6164 Type I	ASTM D 6221 Type I
	140 mil Thickness	160mil Thickness
<b>Cold Applied Adhesive</b>	<b>Self Adhered</b>	<b>MBR Bonding Adhesive</b>
<b>Total Thickness</b>	<b>440</b>	<b>408</b>

# XTRAFLEX® SBS BASE SA

## Smooth Surface, Fire Rated Self-Adhered SBS Base Sheet with Polyester Reinforcement

### PRODUCT DESCRIPTION

XtraFlex® SBS Base SA is a premium, fire rated, self-adhered, fiberglass reinforced SBS Modified Bitumen base sheet or inter ply roofing product manufactured using patented ADESO® Dual-Compound Self-Adhesive technology, with a high quality elastomeric Styrene-Butadiene-Styrene modified asphalt is compound applied on the top layer and an aggressive self-adhesive compound is applied on the bottom layer. The high performance fiberglass mat provides excellent dimensional stability. XtraFlex SBS Base SA membranes are finished with a polyolefin film with lay lines on the top surface and a split release film on the bottom surface. It is produced in a roll of approximately 200 sq. ft. weighing 95 lbs.

### USES

- For use with approved XtraFlex Roofing Systems
- Designed for applications where using a propane torch is undesirable or prohibited
- New construction or approved reroofing specifications for XtraFlex Roofing Systems or in approved flashing details
- Base or interply for most multi-ply systems

### FEATURES AND BENEFITS

- Ease of application requiring fewer tools and eliminating time consuming application procedures
- No need for kettles, spray rigs, or adhesive machines, resulting in a cleaner, more environmentally-friendly
- Excellent long-term adhesion and application to multiple substrates and base plies
- Exceptional physical properties and long-term weathering performance
- Low temp flexibility, puncture and tear resistant

### TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Thickness, typical, mm (mils)	2.0 (80)
ASTM D5147	Peak Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, kN/m (lbf/in.)	5.3 (30)
ASTM D5147	Elongation @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	2
ASTM D5147	Tear Strength @ 23+/-2°C (73.4+/-3.6°F), min, N (lbf)	156 (35)
ASTM D5147	Low Temperature Flexibility, max, °C (°F)	-18 (0)
ASTM D1970	Adhesion to Plywood @ 40°F, min, lbf/ft width	2.0
ASTM D1970	Adhesion to Plywood @ 75°F, min, lbf/ft width	12.0
ASTM D1970	Sealability around nail	pass
ASTM D1970	Waterproof integrity after low temp. flexibility	pass
ASTM D1970	Waterproof integrity of lap seam	pass



### PRODUCT DATA

Coverage (Nominal) ..... 200 sq ft  
 Weight (Approx) ..... 95 lbs  
 Roll Size ..... 66' 8" x 39 3/8" (20m x 1m)  
 Rolls/Pallet ..... 20

### APPLICABLE STANDARDS

- ASTM D6163
- Miami Dade Code Compliance
- Factory Mutual Approved
- UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"



### PRODUCT WARRANTY

XtraFlex Commercial Roofing Systems can be backed with a manufacturer's warranty for up to 20 years. Please see your XtraFlex Roofing Systems Specialist.



1-800-374-7663  
[www.xtraflexroofingsystems.com](http://www.xtraflexroofingsystems.com)

# XTRAFLEX® SBS BASE SA

## APPLICATION INSTRUCTIONS

XtraFlex SBS Base SA is intended to be used as a base sheet or interply in a new XtraFlex Roofing System. It is applied in one or more plies directly to the SECUROCK by XtraFlex cover board or a previous layer of XtraFlex SBS Base SA in XtraFlex Roofing Systems.

- Apply only when the weather and forecast is dry and the ambient air temperature and substrate is 40°F (5°C) and rising.
- Concrete or steel decks shall be designed with proper expansion devices.
- Wood decks shall have all joints blocked and properly supported.
- While installing XtraFlex SBS Base SA:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax in the sun for at least 15 minutes.
  3. Start by removing the first 18-24" of release film.
  4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
  5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
  6. Position successive rolls providing a minimum 6" end lap and 3" side lap. Laps can be sealed for additional water tightness with a hot air welder.
  7. After installation, roll the entire roof surface with an 80# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.
- Details and flashing may be installed using XtraFlex SBS Base SA. Check project details for proper installation requirements

## MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

## CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.  
1111 West Newport Center Drive  
Deerfield Beach, FL 33442  
[www.polyglass.com](http://www.polyglass.com)  
General Line: (888) 410-1375  
(954) 233-1330  
Customer Service: (800) 222-9782  
Technical Service: (866) 802-8017

**Questions?** [technical@polyglass.com](mailto:technical@polyglass.com)

**Product Disclaimer:** Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 2 years.

Refer to material safety data sheet (MSDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

*Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data and warranty information, visit [www.xtraflexroofsystems.com](http://www.xtraflexroofsystems.com).*



1-800-374-7663

[www.xtraflexroofsystems.com](http://www.xtraflexroofsystems.com)

# XTRAFLEX® SBS G SA

## Granule Surfaced, Self Adhered Fire Rated SBS Cap Sheet With Polyester Reinforcement

### PRODUCT DESCRIPTION

XtraFlex SBS G SA is a premium, granule surfaced, fire rated, self-adhered, polyester reinforced SBS modified bitumen roofing product manufactured using patented ADESO® Dual-Compound Self-Adhesive technology, with a high quality elastomeric Styrene Butadiene Styrene modified asphalt compound is applied on the top layer and an aggressive self-adhesive compound is applied on the bottom layer. The high performance reinforced polyester mat provides excellent dimensional stability.

XtraFlex SBS G SA membranes are finished with white, black or buff granules on the top surface. The cap sheet features patented FASTLap® for granule free roll ends, as well as SEAllap®, a factory applied adhesive treatment at the membrane overlap. Each of these patented features provide for greater ease of application as well as improved long term weathering performance. It is produced in a roll of approximately 100 sq. ft. weighing 90 lbs nominal.

### USES

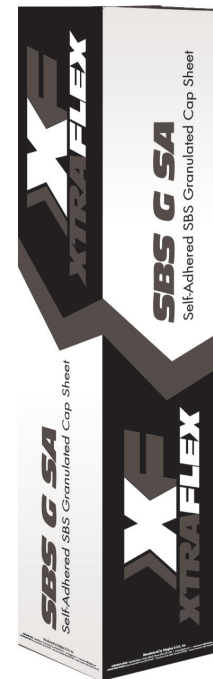
- For use with approved XtraFlex Roofing Systems.
- Designed for applications where using a propane torch is undesirable or prohibited
- New construction or approved reroofing specifications for XtraFlex Roofing Systems or in approved flashing details
- As a flashing membrane in all applicable specifications

### FEATURES AND BENEFITS

- Ease of application requiring fewer tools and eliminating time consuming application procedures
- No need for kettles, spray rigs, adhesive machines resulting in a cleaner, more environmentally-friendly job site
- Excellent long-term adhesion and application to multiple substrates and base/interply membranes
- Exceptional physical properties and long-term weathering performance.
- UV stabilized long lasting granule surfacing in multiple colors

### TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Thickness, typical, mm (mils)	3.5 (140)
ASTM D5147	Peak Load @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min, kN/m (lbf/in.)	8.8 (50)
ASTM D5147	Elongation @ 23+/-2°C (73.4+/-3.6°F), MD and XMD, min (%)	35
ASTM D5147	Tear Strength @ 23+/-2°C (73.4+/-3.6°F), min, N (lbf)	246 (55)
ASTM D5147	Low Temperature Flexibility, max, °C (°F)	-18 (0)
ASTM D5147	Granule Embedment, max, g	2
ASTM D1970	Adhesion to Plywood @ 40°F, min, lbf/ft width	2.0
ASTM D1970	Adhesion to Plywood @ 75°F, min, lbf/ft width	12.0
ASTM D1970	Sealability around nail	pass
ASTM D1970	Waterproof integrity after low temp flexibility	pass
ASTM D1970	Waterproof integrity of lap seam	pass



### PRODUCT DATA

Coverage.....(Nominal)100 sq ft  
 Weight (Approx).....90 lbs  
 Roll Size.....66' 8" x 39 3/8" (20m x 1m)  
 Rolls/Pallet.....20

### APPLICABLE STANDARDS

- ASTM D 6164 Type I
- Factory Mutual Approved
- UL Classified for use in class A, B or C roofs, as listed the latest UL "Roofing Materials and Systems Directory"



### AVAILABLE COLORS

Black, Buff, White

### PRODUCT WARRANTY

XtraFlex Commercial Roofing Systems can be backed with a manufacturer warranty for up to 20 years. Please see your XtraFlex Roofing Systems Specialist



1-800-374-7663

www.xtraflexroofingsystems.com

# XTRAFLEX® SBS G SA

## APPLICATION INSTRUCTIONS

XtraFlex SBS G SA is used as a cap sheet in Self-Adhered XtraFlex Roofing Systems. It is applied directly to the base/interplies using the XtraFlex SBS Base SA in the system.

- Apply only when the weather and forecast is dry and the ambient air temperature and substrate is 40°F (5°C) and rising.
- Concrete or steel decks shall be designed with proper expansion devices.
- Wood decks shall have all joints blocked and properly supported.
- While installing XtraFlex SBS G SA:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax in the sun for at least 15 minutes.
  3. Start by removing the first 18-24" of release film.
  4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
  5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
  6. When it is necessary to cut rolls to suit field conditions and/or the factory FASTLap® or SEALLap® is removed, it is necessary to provide a minimum 6" end lap and 3" side lap. Laps can be sealed for additional water tightness with a hot air welder or XtraFlex 50 Premium Modified Wet/Dry Cement.
  7. After installation, roll the entire roof surface with an 80# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.
- Details and flashing may be installed using XtraFlex SBS G SA. Check project details for proper installation requirements.

## MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

## CORPORATE HEADQUARTERS

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**Questions?** [technical@polyglass.com](mailto:technical@polyglass.com)

**Product Disclaimer:** Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 5 years.

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Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control.

For most current product data and warranty information, visit [www.xtraflexroofsystems.com](http://www.xtraflexroofsystems.com)



1-800-374-7663

[www.xtraflexroofsystems.com](http://www.xtraflexroofsystems.com)



# XTRAFLEX® 10

## Asphalt Primer

### PRODUCT DESCRIPTION

XtraFlex® 10 is a general purpose penetrating asphalt primer used to promote adhesion prior to the application of hot-mopped, cold-applied, and self-adhesive membrane systems as well as roof cements, mastics, and asphalt-based adhesives.

### USES

- Designed to promote superior adhesion of roofing materials
- As a protective surface for metal roofing, masonry, stucco, parapet walls, curbs and base flashings
- As a damp proofing primer for below grade walls
- As a protective coating on the inside of planter boxes.

### TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Weight/gal (lb.)	7.5 – 8.0	ASTM D2939
VOC (gm/L)	<350	Std method
Solids Weight (%)	64 – 68	ASTM D1644
Flash Point (°F)	>105°F	PMCC

### APPLICATION INSTRUCTIONS

#### Surface Preparation:

- Surfaces to receive primer must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products.
- On existing roofs, inspect roof substrate condition. Blisters, buckles, and raised edges should be cut out and repaired for a smooth surface.
- Check all flashings, edges, drains, valleys and vents and repair as needed.
- Do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or Kynar® finishes.

#### Application:

- Mix well prior to application.
- Application Rate: Apply approximately .5 gallon per 100 square feet for most applications. Actual rate may vary depending on product application and surface conditions.
- XtraFlex 10 may be applied by high pressure spray or roller application methods.
- Avoid over-application and excessive build up of primer.
- To improve adhesion with coatings, adhesives and cements, allow drying time of approximately 2 – 8 hours before applying any other product over primer.
- Apply only when ambient temperatures are 45°F and rising. Cold weather could result in uneven application and improper curing of product. Do not apply if there is a threat of inclement weather within 24 hours of application.
- Do not heat container or attempt to thin this product. Cold weather will cause product to stiffen, making application more difficult.



### APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D41 Asphalt Primer Type I



### PACKAGING

- 4.75 Gallon (18.0 Liters) Pail
- 50 Gallon (189.3 Liters) Drum

### PRODUCT WARRANTY

Polyglass USA, Inc. commercial roofing membranes can be backed with a manufacturer's warranty for up to 20 years when used as part of an approved, multiply roofing system. Please see your Polyglass USA, Inc. Sales or Technical Representative for specifications and details.

EMULSIONS &  
PRIMERS

XTRAFLEX  
BY POLYGLASS



1-800-374-7663

[www.xtraflexroofsystems.com](http://www.xtraflexroofsystems.com)

# XTRAFLEX® 10

## Storage and Cleaning:

- Product shelf life: 24 months from date of manufacture when properly stored.
- Do not store at temperatures greater than 120°F.
- Store container 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Keep containers covered when not in use.
- Clean equipment and overspray with kerosene or mineral spirits.
- Clean hands with waterless hand cleaner.

## WARNING

**Combustible Liquid and Vapor** – Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Causes nose and throat irritation. Causes eye and skin irritation. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat and open flame.

**Personal Protection** – Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

**Eye Contact** – Rinse immediately with clean water for 15 minutes and seek medical advice.

**Waste Disposal** – Empty containers must be disposed of in accordance with local, state and federal regulations.

**For Professional Use Only** – Keep out of the reach of children

**For Exterior Use Only.**

## MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

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