Larry Hogan
Governor

Michael J. Frenz
Executive Director

Members
Thomas E. Kelso
Chairman

Leonard J. Attman
Joseph C. Bryce
Gary L. Mangum
Manervia W. Riddick
James T. Smith, Jr.
Jodi C. Stanalonis

Procurement

John F. Samoryk
Vice President

Maryland Stadium Authority
The Warehouse at Camden Yards
333 W. Camden Street, Suite 500
Baltimore, MD 21201
410-333-1560
1-877-MDSTADIUM
Fax: 410-333-1888

www.mdstad.com

Voice: 800-201-7165
TTY: 800-735-2258

ADDENDUM No. 1
INVITATION FOR BID
Lower Concourse Domestic Water Re-Piping
Oriole Park at Camden Yards
PROJECT No. 18-024

Date Issued: December 12, 2017

This Addendum is hereby made a part of the Contract Documents dated November 23, 2017 on the subject work as though originally included therein. The following amendments, additions, and/or corrections shall govern this work. **This form shall be acknowledged below and submitted with the bids.**

This Addendum incorporates the following items:

1. The Pre-Bid summary along with the sign-in sheet (attached).
2. **Clarification**: There are no Club Area Events scheduled that will impact the timing of this project.
3. **Clarification:** Painting of pipes is not required.
4. Questions and Answers.
5. **Clarification:** Fiberglass Pipe Insulation (attached)
6. Maryland Stadium Authority's Contract Compliance System (attached)
7. Piping Sleeve Detail and Approved Material for Repairing the EPDM Penetrations from the Roof into Restrooms and Concession Stands (attached).

Issued by:
Maryland Stadium Authority
333 W. Camden Street, Suite 500
Baltimore, MD 21201
Sandra Fox, Procurement Officer

_____
Company

_____
Acknowledgment (Name and Title) Date

Pre-Bid Summary

Solicitation:	Lower Concourse Domestic Water Re-Piping Oriole Park at Camden Yards MSA Project No. 18-024
Subject:	Summary from Pre-Bid Meeting December 5, 2017 at 11:00 a.m.
Bid Due:	No later than 11:30 a.m. (Local Time) on December 21, 2017
MBE Goal:	15% of the total dollar value of the contract
Written Questions:	All questions should be submitted in writing to the attention of the Procurement Officer, Sandra Fox, sfox@mdstad.com
MSA Attendees:	Sandra E. Fox, John Samoryk, Matthew Kastel, Theresa Masilek, Rick Blasi (on the site visit), and Jeff Provenzano

Sandra Fox opened the meeting by stating the instructions for submitting bids. All Bids must be received in the Office of the Maryland Stadium Authority located at 333 West Camden Street, Suite 500, Baltimore, Maryland 21201, **no later than 11:30 a.m. on December 21, 2017**. Late, faxed, or emailed bids will not be accepted. A minimum overall MBE subcontract participation goal of fifteen percent (15%) of the total dollar value of the Contract is established for this procurement. Prospective bidders were urged to check the website for future addenda. It is the Bidders' responsibility to make sure they have received all appropriate documents, prior to the bid due date. All Bidders must be registered with eMaryland Marketplace in order to receive a contract award and be in good standing with the State.

She also stated that the MDOT Certified MBE Utilization and Fair Solicitation Affidavit MBE Attachment D-1A (See Attachment D – MBE Forms in Addendum No. 1) must be submitted with the bid and must identify the specific MBE(s) for this contract. All proposed MBE firms must be certified by the Maryland Department of Transportation (MDOT) in order to count toward the total 15% MBE participation goal. Bidders were advised to pay close attention to Section 4 – Bid Format. John Samoryk gave a summary of the new requirements for MBE participation and on-line compliance system. All questions must be submitted to Sandra Fox preferably by email at sfox@mdstad.com.

Matthew Kastel presented a summary of what is involved in this project. All work must be completed on or before February 22, 2018

A site visit followed. If a site visit is required send an email request to Sandra Fox sfox@mdstad.com.

ATTENDANCE SHEET

Pre Bid Meeting

December 5, 2017 at 11:00 a.m.

PROJECT NAME: **Lower Concourse Domestic Water Re-Piping (IFB)**
MSA PROJECT NUMBER: 18-024
FACILITY: **Oriole Park at** Camden Yards
MBE Goal: 15 % of Total Dollar Value

MSA Attendees: Sandra Fox ✓, John Samoryk ✓, Jeff Provenzano ✓ and Theresa Masilek ✓. Matt Kastell ✓ and Rick Blasi ✓ during the site visit.

	Company Name	Contact Name & Phone Numbers	Street Address	City/State/Zip Code	E-mail Address	Minority Business Enterprise (Yes or No)	Small Business Reserve (Yes or No)
1.	Chilmar Corp	MARK McKim O-410-426-5482 C-410-365-5794	5724 Belair Rd Balto Md 21206		MARK M @ Chilmar.com	No	No
2.	American Combustion Ind. A.C.I.	RAY MEADOR 301-779-3400	7100 Holladay Tyler Rd Glenn Dale Md		rmeador@ACI industries.com	No	No
3.	M+E Sales Inc	WAYNE CARTER 443-827-2112	7501 Connelley		WAYNE@MANDE SALES MD.COM	No	100
4.	M & E Sales Inc.	Jim Mabe 443-829-5848	"	Hanover Md 21076	MabeJC@AH.com	No	100

	Company Name	Contact Name & Phone Numbers	Street Address	City/State/Zip Code	E-mail Address	Minority Business Enterprise (Yes or No)	Small Business Reserve (Yes or No)
5.	Temp Air Company	Cheis Bobes 410 358-8078	51 Gwynns Millet Owings Mills, MD 21117	" "	Cbobes@ temparincompany .com	Yes	Yes
6.	Denver-Elek	Zach Halterman 410-574-8400	8860 Kelso Dr. Essex, MD 21221	←	Estimating @ Denver-Elek. com	N	N
7.	G.A mechanical	Ben Andrews. 443-762-4399	12025 Philadelphia Rd. Kingsville MD		Bandrews @gamechanical .com	N	Y
8.	ACI	RAY GROHT 240-417-8796	7100 Holladay Tyler Rd. GLENN DALE MD. 20769		Rgroht@ aciindustries .com	N	N
9.	Maryland Mechanical Systems Inc.	Zachary Wojtkowiak 443-928-3925	300 S Haven St.	Baltimore MD. 21224	Zmw@mary mec.com	N	N
10.							

ATTENDANCE SHEET

Page 2

	Company Name	Contact Name & Phone Numbers	Street Address	City/State/Zip Code	E-mail Address	Minority Business Enterprise (Yes or No)	Small Business Reserve (Yes or No)
	AMERICAN COMBUSTION INDUSTRIES, INC.	RAY GROHT Account Representative MECHANICAL ▪ ELECTRICAL ▪ PLUMBING ▪ CONTROLS 24 HOUR EMERGENCY SERVICE 7100 HOLLADAY TYLER ROAD, SUITE 233 ▪ GLENN DALE, MD 20769 DIRECT: 240-487-2655 ▪ TEL: 301-779-3400 CELL 240-417-8796 ▪ FAX: 301-779-5840 rgroht@aciindustries.com ▪ www.aciindustries.com					
	AMERICAN COMBUSTION INDUSTRIES, INC.	RAY MEADOR Mechanical Estimator MECHANICAL ▪ ELECTRICAL ▪ PLUMBING ▪ CONTROLS 24 HOUR EMERGENCY SERVICE 7100 HOLLADAY TYLER ROAD, SUITE 233 ▪ GLENN DALE, MD 20769 DIRECT: 240-487-2639 ▪ TEL: 301-779-3400 CELL 240-375-2232 ▪ FAX: 301-779-1337 rmeador@aciindustries.com ▪ www.aciindustries.com					
	Chilmar Corporation General • Mechanical Contractors 5724 Belair Road • Baltimore, Maryland 21206 (p)410-426-5482 • (f)410-426-0207	Mark McKim Project Manager markm@chilmar.com (c) 410-365-5794					
	G.A Mechanical Inc 410-335-4555	Benjamin Andrews Operations Manager Bandrews@gamechanical.com C–(443)–762–4399 O–(410)–335–4555					
	MARYLAND MECHANICAL SYSTEMS, INC.	Zach Wojtkowiak Estimator 300 S. HAVEN STREET BALTIMORE, MD 21224 (410) 327-4750 ext.37 Fax: (410) 563-1611 Cell: (443) 928-3925 (Email) zmw@marymec.com www.marylandmechanicalsystems.com					
	Wayne Carter General Foreman HVAC Control Systems M & E Sales, Inc. Mechanical Services 7501 Connelley Drive, Suite I Hanover, MD 21076 Email: wayne@mandesalesmd.com Phone: 410-766-3831 Fax: 410-766-3832 Cell: 443-827-2112 www.mandesalesmd.com							
	James C. Mabe President HVAC Control Systems M & E Sales, Inc. Mechanical Services 7501 Connelley Drive, Suite I Hanover, MD 21076 Email: MabeJC@aol.com Phone: 410-766-3831 Fax: 410-766-3832 Cell: 443-829-5848 www.mandesalesmd.com							
	TAG HVAC SERVICES • CERTIFIED WBE COMMERCIAL & INDUSTRIAL	Chris Bobes Project Manager office 410.358.8078 fax 410.358.8086					

Maryland Stadium Authority's Contract Compliance System

SYSTEM ACCESS

Vendor Account Look Up:
Find your account and retrieve your password at
https://mdstad.diversitycompliance.com/FrontEnd/UserSearchPublic.asp

CONTRACT COMPLIANCE & REPORTING

For Prime Contractor
Prime contractors receive regular reporting notices by email. Simply click the link provided to log in, and enter payments made to the list of subcontractors displayed.

For Subcontractors
Once the prime contractor reports their payments, an email notice is sent to each subcontractor.
The subcontractor clicks the link provided to log in, and then confirms the payment reported by the prime has been received.

Additional Contractor Benefits
Immediate visibility to contract goal achievement at the overall contract level.
Visibility to subcontractors that may not be reporting in a timely basis.
Integrated messaging to support communication with your contract compliance officer.
Online subcontractor addition/substitution request process.

Getting Started with Subcontractor Utilization Reporting
An email with instructions will be sent to contractors when online reporting starts.
Before then you can determine if an account has been set up for your company through the Account Lookup link on the portal.

Questions and Answers

1. Are you increasing the size of the pipe?

   Yes, in certain areas.

2. When is the approximate start date?

   We expect to start after the board approval and the meeting is held on January 2, 2018.

3. Will the work be during normal business hours?

   Yes, normal business hours for the majority of the work. The majority of the areas are drained and winterized.

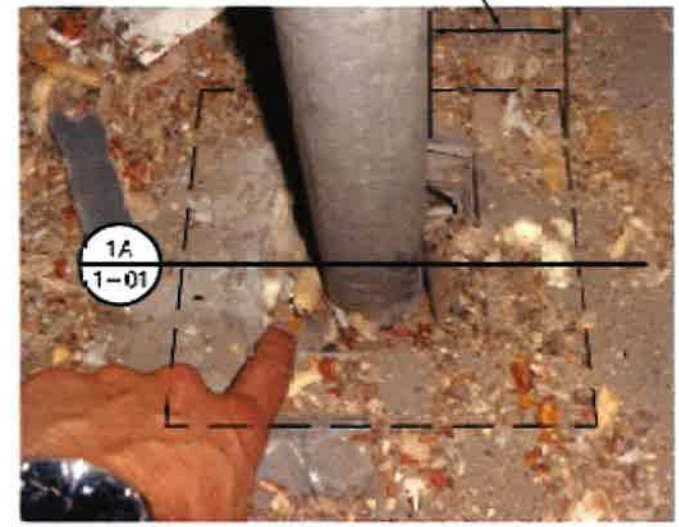
4. When is the deadline for questions?

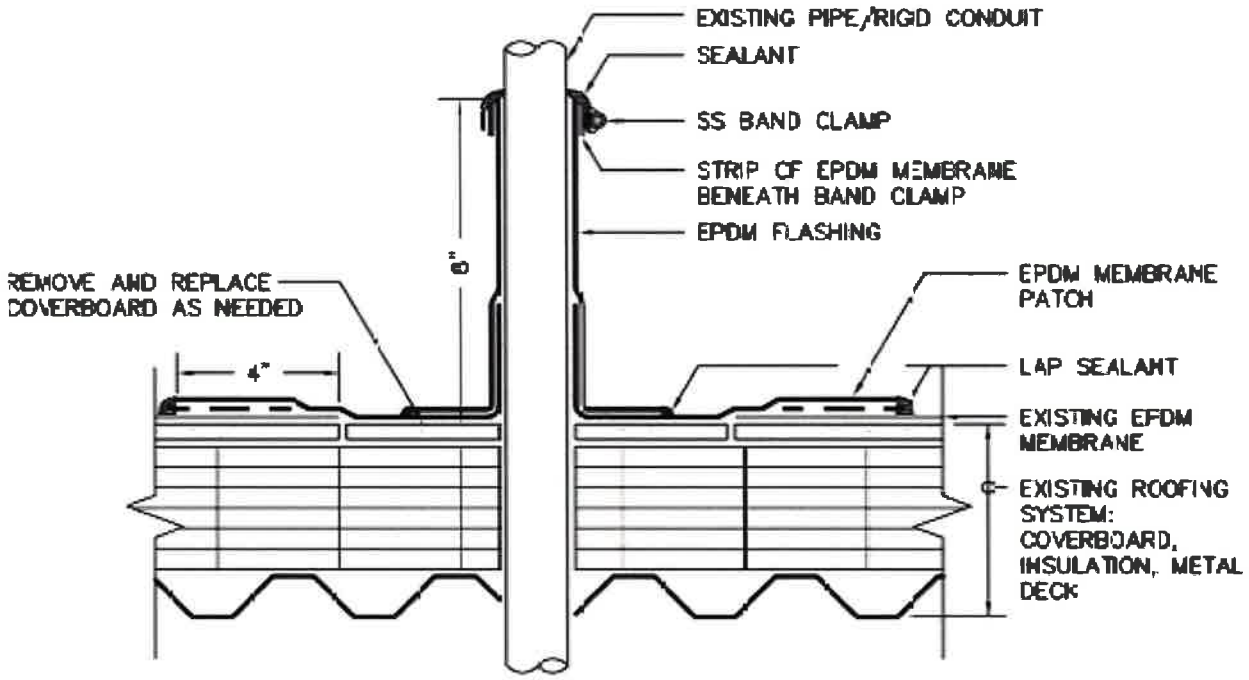
   Questions are requested to be submitted at least five (5) days prior to the Bid due date.

7. **Piping Sleeve Detail and Approved Material for Repairing the EPDM Penetrations from the Roof into Restrooms and Concession Stands (attached).**

LOWER CONCOURSE
ROOF DESIGNATION PLAN

NOT TO SCALE





1A / 1-01 PIPE/SLEEVE FLASHING

SCALE: 3" = 1'-0"

TAGGART
BROWN & ASSOC INC

Submittal # 1

Name

Band Clamps

Location

Upper & Lower Concourse

Everbilt Model 673655E Internet #202262872 Store SKU #602048

1-3/4 - 2-3/4 in. Stainless Steel Clamp (10 Pack)

Write the first Review Questions & Answers (2)

$9.78 /each

In Stock At Your Selected Store

Timonium #2565
Cockeysville, MD 21030

In Stock
Aisle 32, Bay 005
Text Product Location

Open Expanded View Click Image to Zoom

Related Items Product Overview Specifications Recommended Items Questions & Answers Customer Reviews

Frequently Bought Together

+

+

Price for all three:
$27.32

Add To Cart

This item: 1-3/4 - 2-3/4 in. Stainless Steel Clamp (10 Pack) **$9.78**
Everbilt 3/4 - 1-3/4 in. Stainless Steel Clamp (10 Pack) **$8.57**

Ideal 10-Piece Assorted Clamps **$8.97**

Product Overview

The 2-3/4 in. Stainless-Steel Clamp is perfect for repair jobs. The stainless-steel construction is durable, and the clamp fits 1-3/4 - 2-3/4 in. diameter hoses.

- Minimum hose size compatibility of 1-3/4 in.
- Maximum hose size compatibility of 2-3/4 in.
- Stainless-steel construction for durability
- Repair clamp

Feedback

Specifications

Dimensions

Maximum hose size compatibility (in.)	2.75	Product Height (in.)	8.75
Minimum hose size compatibility (in.)	1.75	Product Width (in.)	6.5 in
Product Depth (in.)	0.5		

Details

Finish Family	Silver Metallic	Repair Clamps Type	For Hoses
Maintenance, Repair & Supplies Product Type	Repair Clamps		

Warranty / Certifications

Manufacturer Warranty	1 year

More Products With These Features

Price: **$0 - $10**

Search

TAGGART
BROWN & ASSOC INC

Submittal # 3

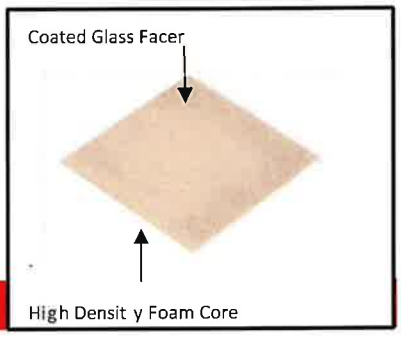
Product

Cover Board

Location

Upper & Lower Concourse

Item Description	Item Number
ASTM C1289 Type II, Class 4, Grade 1	
4' x 4' (1.2 m x 1.2 m)	W8H8GG050I (Half Bundle)
4' x 8' (1.2 m x 2.4 m)	W8H8GG050H (Half Bundle)
ASTM C1289 Type II, Class 4, Grade 2	
4' x 4' (1.2 m x 1.2 m)	W8H3GG050I (Half Bundle)
4' x 8' (1.2 m x 2.4 m)	W8H3GG050H (Half Bundle)



Product Information

Description:

Firestone ISOGARD HD Cover Board is a half-inch (12.7 mm) thick polyiso with insulating properties. It has a high density, closed-cell, polyisocyanurate foam and coated glass facers. Firestone ISOGARD HD Cover Board provides a high thermal performance when compared to other high density insulations or cover boards.

All Firestone polyisocyanurate insulations use EPA accepted blowing agents. Firestone ISOGARD HD Cover Board with ISOGARD foam technology incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone layer (ODP-free).

Code Approvals:

FM 4450, FM4470, UL 790, UL Classified

Method of Application:

Insulation shall be neatly fitted to all roof penetrations, projections and nailers. No more insulation shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.

Firestone ISOGARD HD Cover Board can be applied over: ☐
existing roof surfaces

- under fully adhered or mechanically attached Single-Ply
- Modified Bitumen systems applied in Multi-Purpose MB Cold Adhesive and BASEGARD™ SA base sheets with a torch applied cap or SBS sand backed cap sheet in hot asphalt

ISOGARD HD Cover Board must be installed using Firestone Fasteners and Plates or one of the following Firestone insulation adhesives:

- I.S.O. Twin Pack™
- I.S.O. Stick™
- I.S.O. Spray™ R

☐I.S.O. FIX™ II

Storage:

- Keep insulation dry at all times.

Precautions:

- Elevate insulation above the deck or ground.
- Combustible. Refer to SDS for more information.
- Do not install over wet, damp or uneven substrates.
- Do NOT install when wet.
- Do NOT torch apply membranes to ISOGARD HD cover boards
- Do NOT use hot asphalt to attach or apply asphalt roofing systems to ISOGARD HD cover boards

LEED® Information:

Recycled Content: approximately 9%*

**Contains post industrial recycled content.*

Manufacturing Location: Corsicana, TX Youngwood, PA Jacksonville, FL

DeForest, WI Florence, KY Bristol, CT

Manufactured in an ISO 9000 Registered Facility

FM Global Approved when applied with the fastening pattern shown.

ASTM C1289 Type II, Class 4

Typical Properties

	ASTM Standard	Units	Value	Units	Value
Compressive Strength: Grade 1 Grade 2	 D1621 D1621	 psi	 ≥ 80 ≥ 120	 kPa	 ≥ 551 ≥ 827
Dimensional Stability	D2126	%	<0.5	%	<0.5
Water Absorption	C209	% by volume	<3	% by volume	<3
Service Temperature	---	°F	-100 to 250	°C	-73 to121
Resistance to Mold	D3273	--	pass	---	pass
Flute Span over metal decks	---	inches	2.625		

Product Data

Property	Thickness inches	Thickness mm	R-Value
Thermal Resistance	0.5	12.7	2.5

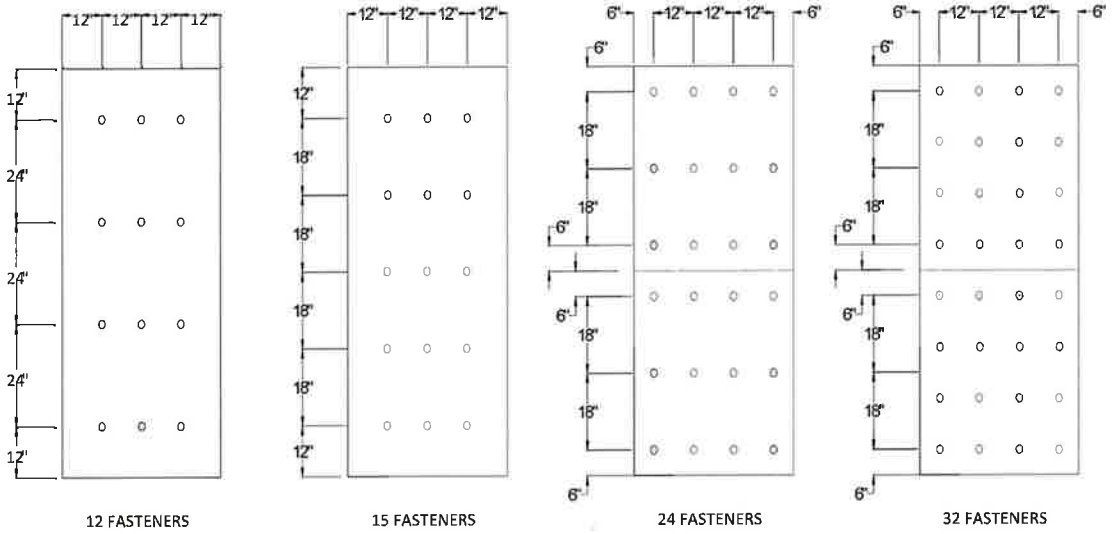
R-Value shown are based on ASTM Test C518 2 75 °F mean

Property

Property **NOTES:**

Structural Concrete, 3000 psi (New & Existing)	
Steel, min. 22 gauge	Please consult Membrane Design Guides on line at
Lightweight Concrete[1]	www.firestonebpco.com to review specific information regarding
	fastener types appropriate for the type of deck and insulation in
Plywood and OSB, min. ½"	use.
Gypsum, min. 2"	
Do not use hot asphalt to adhere ISOGARD HD cover boards. **NOT ACCEPTABLE:** Firestone ISOGARD HD cover board is not suitable as an	immediate substrate for a ballasted roof system.

1 A vapor retarder is required to be installed under systems with insulation. A properly prepared, existing, dry and sound, uninsulated built-up roof system (all splits and blisters repaired) can be used as a vapor retarder.



12 FASTENERS | 15 FASTENERS | 24 FASTENERS | 32 FASTENERS

NOTE: Be sure to use the required fastener for an FM approved system.

Please contact Quality Building Services Technical Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.

TAGGART
BROWN & ASSOC INC

Submittal #4

Product

EPDM

Location

Upper & Lower Concourse

TECHNICAL INFORMATION SHEET

Low-Slope Fire Retardant (LS FR) RubberGard™ EPDM Membrane

TIS #103

Description:

Firestone FR RubberGard™ EPDM is a non-reinforced, cured, single-ply roofing membrane that can be used in ballasted, fully adhered and mechanically attached systems.

Preparation of Substrate:

1. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane.
2. All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
3. All surface voids greater than 1/4" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Method of Application:

1. RubberGard Non-Reinforced FR EPDM Membrane must be installed in accordance with current RubberGard specifications, details and workmanship requirements.

Storage:

- Store away from sources of punctures and physical damage.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.

Precautions:

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard membrane.
- Refer to Material Safety Data Sheets (MSDS) for safety information.

Packaging:	Widths[1]	Lengths	Weight
.045" LS-FR	7.5' (2.3 m)	100' (30.5 m)	0.31 lb/sf (1.5 kg/m²)
	10' (3.05 m)	100' (30.5 m)	

	16.7' (5.09 m)	100' (30.5 m)	
	20' (6.1 m)	100' (30.5 m)	
	30' (9.14 m)	100' (30.5 m)	
	40' (12.19 m)	100' (30.5 m)	
	50' (15.24 m)	100' (30.5 m)	
.060" LS-FR	7.5' (2.3 m)	100' (30.5 m)	0.43 lb/sf (2.1 kg/m²)
	10' (3.05 m)	100' (30.5 m)	
	16.7' (5.09 m)	100' (30.5 m)	
	20' (6.1 m)	100' (30.5 m)	
	30' (9.14 m)	100' (30.5 m)	
	40' (12.19 m)	100' (30.5 m)	
	50' (15.24 m)	100' (30.5 m)	

[1]Available sizes vary by product. Contact your Firestone Customer Service Representative for availability and packaging information.

S723-RFS-003

7.15.2013

TECHNICAL INFORMATION SHEET

Firestone BUILDING PRODUCTS

Compliance:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 0%
Manufacturing Location: Prescott, AR **CCMC 13266**

FM APPROVED

CLASSIFIED C UL US

MIAMI-DADE COUNTY APPROVED

Physical Properties:	*ASTM Standard*	*Units*	*Performance Minimum*	*Typical Values 45 mil*	*Typical Values 60 mil*
Thickness, minimum *Sheet-overall*	D 412	In. (mm)	0.0405 (1.016) 0.0504 (1.372)	0.0405 (1.092)	0.059 (1.499)
Tensile Strength, minimum	D 412 (Die C)	psi(MPa)	1305 (9.0)	1435 (9.9)	1454 (10.0)
Elongation, Ultimate, minimum	D 412 (Die C)	%	300	450	622
Tensile set, maximum	D 412, Method A (Die C)	%	10	5	2.18
Tear Resistance, minimum	D 624 (Die C)	Lbf/in (kN/m)	159 26.3	190 33.2	219 38.4

Brittleness point, maximum	D 2137	°F(°C)	-49(45)	-62(-52)	-49(-45)
Ozone resistance, no cracks	D 1149	-	-	Pass	Pass
Heat Aging:	D 573				
Tensile Strength, min.	D 412 (Die C)	psi(MPa)	1205(8.3)	1425(9.8)	1490(10.3)
Elongation, ultimate, min.	D 412	%	200	240	322
Tear resistance, min.	D 624	Lbf/in (kN/m)	125 21.9	180 31.5	179 31.3 -
Linear dimensional change, maximum	D 1204	%	±1.0	-0.5	.32
	D 471	%	+8,-2	+1.8	+1.51
Water absorption, max, mass %	D 816 Method B (Modified)	Lbf/in (kN/m)	50 (8.8) or Sheet Failure	Sheet Failure	Sheet Failure
Factory Seam Strength, minimum	D 518	-	Pass	Pass	Pass
Weather Resistance:	D 518	%	30	52	53
Visual inspection					
PRFSE, minimum	D 412 (Die C)	%	200	240	255
Elongation, ultimate, min					

RubberGard LS-FR membrane meets or exceeds the minimum requirements set forth by ASTM D 4637 for Type I non-reinforced EPDM single-ply roofing membranes.

Please Contact your Firestone Technical Coordinator at 1-800-428-4511 for further information.

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CRRC COOL ROOF RATING COUNCIL
CHARTER MEMBER

7.15.2013

TAGGART
BROWN & ASSOC INC

Submittal #9

Product

Sealant

Location

Upper & Lower Concourse

Product Information

Fact Sheet

Sikaflex®-1a

Premium-grade, all purpose polyurethane sealant, for professional caulking and sealing contractors

Product Information

APPLICATIONS

- Building facades
- Balconies
- Parking Structures
- Civil Structures

ADVANTAGES

- Fast tack-free time and final cure
- Easy to use
- Creamy, easy to tool
- Excellent Adhesion
- Excellent resistance to weathering
- Paintable and sandable
- High Elasticity
- Acceptable for traffic areas
- Water immersible
- Meets 1998 USDA guidelines

TYPICAL DATA

Tack-free time	3-6 hours
Final Cure	4-7 days
Joint Movement	+/-35%
Elongation	550%
Shore A Hardness	40 +/- 5

- Meets ASTM C-920. Meets Federal specification TT-S-00230C,Type II, Class A. , Type S, Grade NS, Class 35, use T, NT, O, M, G, I; Canadian Standard CAN/CGSB 19.13-M87
- Sealant, Waterproofing and Restoration Institute (SWRI) validated
- UL Certified to NSF/ANSI Standard 61 for potable water contact

* For up to date and accurate information please consult the current Technical Data Sheet at www.sikausa.com

Available in 10.1 oz. cartridges and 20 fl. oz. uni-pac sausages; special order-5 gallon pails and 55 gallon drums.

SEALANT · WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sika Corporation
Product: Sikaflex®-1A

C719: Pass ✔ Ext:+35% Comp:-35%

Substrate: Mortar, Aluminum, Glass
[mortar substrate primed with Sika Primer 429]

C661: Rating 40

Validation Date: 8/3/12 – 8/2/17

No. 0812-S11211 *Copyright © 2012*

SEALANT VALIDATION
www.swrionline.org

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