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Header 2

 List View 

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 925233

Procurement Type: Central Master Agreement

Vendor ID: VS0000008524 

Legal Name: PHOSCRETE CORPORATION

Alias/DBA:

Total Bid: \$0.00

Response Date: 11/04/2021 

Response Time: 13:21

Responded By User ID: Phoscrete 

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SO Doc Code: CRFQ

SO Dept: 0803

SO Doc ID: DOT2200000065

Published Date: 10/26/21

Close Date: 11/4/21

Close Time: 13:30

Status: Closed

Solicitation Description: BRIDGE EXPANSION JOINT
REPAIR SYSTEM EMSEAL  

Total of Header Attachments: 2

Total of All Attachments: 2



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 925233
Solicitation Description: BRIDGE EXPANSION JOINT REPAIR SYSTEM EMSEAL 6622C008
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-11-04 13:30	SR 0803 ESR11042100000002816	1

VENDOR
 VS0000008524
 PHOSCRETE CORPORATION

Solicitation Number: CRFQ 0803 DOT2200000065
Total Bid: 0
Response Date: 2021-11-04
Response Time: 13:21:00
Comments:

FOR INFORMATION CONTACT THE BUYER

John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	BRIDGE EXPANSION JOINT REPAIR PRODUCT SYSTEMS	0.00000	EA	18.000000	0.00

Comm Code	Manufacturer	Specification	Model #
30111902			

Commodity Line Comments: Willseal is a pre-compressed, self-expanding foam sealant that is an "approved equal" to Emseal.
 WHB050200
 1/2
 1 1/2
 12 mm
 --

Extended Description:

BRIDGE EXPANSION JOINT REPAIR PRODUCT SYSTEMS, Pricing Pages, Exhibit A

DESCRIPTION

Willseal 250B is a pre-compressed, self-expanding foam joint sealant with a highway grade silicone coating engineered to perform in primary horizontal applications such as road and bridge joints and airport runways. Willseal 250B, with its silicone cap, provides a primary seal, and is waterproof to rain and snow, making it an optimal primary sealant. Willseal 250B is specifically designed to provide a maximum seal in structures with shear and rapid movement. Willseal 250B is manufactured at the highest level of quality and specially engineered for maximum performance in joints from 1/2" - 6".

MATERIAL

Willseal 250B consists of 3 construction elements: a foundation of super-resilient micro-cell cross-linked polyurethane foam that is self-extinguishing, hydrophobic acrylic emulsion, and a factory applied coating of traffic grade silicone (other coatings are available by special order). Willseal 250B is supplied at our highest level of compression for ease of installation and for best performance. Willseal 250B is delivered in two meter sticks with a specially formulated epoxy for adhesion to the substrate and a special adhesive for the splice.

COLOR

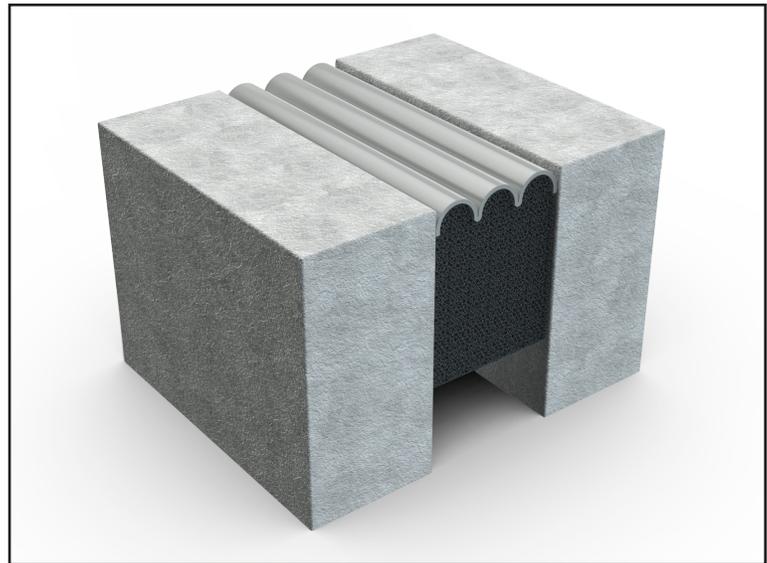
- Concrete Gray, Traffic Grade Silicone

DIMENSIONS

- Joint sizes from 1/2" to 6" in sticks
- Custom sizes available upon request

UNIQUE PROPERTIES

- No unbonded laminations
- Allows for up to 100% (±50%) movement from mean joint size
- Designated as a dual expansion joint seal
- Advanced acrylic impregnation without heavy fillers that reduce performance
- True tensionless system
- Designed for rapid cycling & thermal shock



APPLICATIONS

- Primary horizontal expansion joints with vehicular traffic
- Road and bridge joints
- Approach slabs
- Other joints requiring a watertight seal

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Impregnation	N/A	Proprietary, hydrophobic acrylic
UV resistance	DIN 18542	Pass
Ultimate Elongation	N/A	Exceeds rated maximum extension without tension
Surface Temperature Range	ASTM C711	-40°F to 190°F
Silicone Elongation	N/A	Never under tension and exceeds maximum movement range (>1000%)
Silicone Flexibility	N/A	Excellent
Temperature Stability Range	No transfer of sealant	-40°F to 185°F
Resistance to Compression Set	Full cycle tested in an environmental chamber through the stated temperature stability range	No bleeding when compressed to minimum of claimed movement of nominal size and when simultaneously heated to 190°F for 3 hours
Compression set	Full cycle tested in an environmental chamber through the stated temperature stability range	Will not delaminate due to thermal shock or compression set.

ADVANTAGES

- Accommodates rapid rates of joint movement
- Supplied in pre-compressed state for ease of installation
- Permanently conforms to varying joint contours
- Used for joints up to 6" wide*
- Not limited to -25%, +35% (+/-55%) movement which require larger joints or are subject to tensile or compressive failure
- Superior point loading capabilities compared to other +/- 50% systems that truly serves as a dual seal
- Non invasive anchoring
- Factory supplied transitions for continuity of seal
- Designed for exposure to common automotive oils and fuels as well as jet fuel per FHA PLO6

NOT INTENDED FOR

- Joints continuously submerged in water
- Joints in continuous contact with harsh chemicals
- Joints in roofing applications or areas with occupied space

LIMITATIONS

- Joints must be sized by measuring every 5-7ft. (1.524 – 2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material
- Do not install when substrate or ambient temperatures are below -14°F (-25°C) or above 95°F (35°C)
- Will not adhere to surfaces contaminated by oil or grease
- If ambient storage temperatures are below 50°F (10°C), store material at a minimum of 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation
- Store material in a dry, enclosed area, off the ground, and out of direct sunlight
- Do not install when raining or snowing

* For joints larger than 4", consult Willseal for design considerations

PREPARATION FOR INSTALLATION

- Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant
- Check material for the appropriate lengths, widths, and depths
- Lay out the material in the order it will be installed
- Apply a 1/16" – 1/8" coating of the epoxy mixture to both sides of the joint to a depth of the sealant material plus 1/2" to ensure complete bonding

INSTALLATION

- When fully prepared to install, open the sealant material by removing the shrink packaging and strapping
- Remove the release liner on both sides of the material
- Insert the material into the joint while pressing the material to the side of the joint
- Firm pressure as you join sections together

CLEAN UP

- Remove any excess silicone left on the surface of the material or substrate
- Remove all waste materials from the job site
- Do not reuse waste material
- Leave site to the satisfaction of the owner/architect

MAINTENANCE

- If the field applied silicone is not installed, the system will not perform as designed voiding all warranties expressed or implied
- If there are any signs of damage, you should do the following:
 - If the silicone becomes damaged but remains intact, remove the damaged area and recaulk. No primer is needed when recaulking
 - If the bond has been affected or the foam backing is damaged, remove the damaged area, clean & prepare the substrates in accordance with standard installation procedures and reinstall new material
- Joint should be inspected periodically

WILLSEAL VS. EMSEAL - CROSS REFERENCE GUIDE

WILLSEAL	Characteristics	EMSEAL	Characteristics
Willseal 150	Acrylic primary vertical seal in black or grey	25 V	Asphalt primary vertical seal in black
Willseal 250	Acrylic +/-50% horizontal join system – also available for split slab	20H (Asphalt) DSH (Asphalt) DSM (Acrylic)	DSM is only rated for +30%/-25% as dual seal
Willseal 600	Breathable, 600Pa primary or secondary applications	Backerseal/Greyflex	Secondary only, not UV or waterproof unless behind caulk
Willseal Seismic	DOW 790 color and Pecora 896 silicone colors, custom colors, and other sealants	Seismic Colorseal	DOW 790 and Pecora 896 silicone colors
Willseal Seismic DS	Coated on both sides: DOW 790 and Pecora 896 silicone colors, custom colors and other sealants	Double-sided Seismic Colorseal	Coated on both sides: DOW790 and Pecora 896 silicone colors
Willseal Seismic HS	Willseal Seismic supplied with epoxy for non-traffic horizontal use	Horizontal Colorseal	Seismic Colorseal supplied with adhesive for horizontal non-traffic use
Willseal FR-V	<ul style="list-style-type: none"> • Vertical 2 or 3 Hour Fire Rated • +/- 25% Movement (50% Total Movement) • +/- 50% Movement (100% Total Movement) • Available uncoated, coated on one side or coated on both sides. DOW 790 and Pecora 896 silicone colors, custom colors, other sealants, and pick resistant urethane (Dynaflex) 	WFR2 WFR3	<ul style="list-style-type: none"> • Vertical 2 or 3 Hour Fire Rated +/- 25% Movement (50% Total Movement) • Only Available with silicone and intumescent
Willseal FR-2H	<ul style="list-style-type: none"> • Horizontal 2 or 3 Hour Fire Rated • +/- 25% Movement (50% Total Movement) • +/- 50% Movement (100% Total Movement) • Available uncoated, coated on one side or coated on both sides. DOW 790 and Pecora 896 silicone colors, custom colors, other sealants, and pick resistant urethane (Dynaflex) 	DRF2 DFR3	<ul style="list-style-type: none"> • Horizontal 2 or 3 Hour Fire Rated +/- 25% Movement (50% Total Movement) • Only available with Silicone and Intumescent
Willseal Pureseal	Coated with NSF 61 approved coating for potable water applications	DSF	Coated with NSF 61 approved coating for potable water applications
Willseal Safeguard	Pick resistant urethane sealant (Dynaflex)	Security Seal	Pick resistant urethane sealant (Dynaflex)
Willseal Barrikade	Coating with highly chemically resistant (Vitone Coating System)	None Available	-
Willseal Spectraseal	Permeable colored secondary seal supplied in rolls	None Available	-
Willseal Coreseal	<ul style="list-style-type: none"> • EVA Closed Cell Foam • +/- 25% Movement (50% total Movement) • Vertical Applications 	None Available	-
Willseal Subseal	For use in below grade applications exposed or those exposed to head pressure	Submerseal	For use in submerged applications
Willseal Amorcrete	Winged gland & nosing	ThermaFlex	Winged gland & nosing
Willseal Acousti-Seal	Used as an air barrier and to reduce sound transmission, with or without silicone face(s)	QuietJoint	Sound Reduction