



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000118916 ONE YEAR CONTRACT FOR SUPPLY OF MORTARTEC 1
AND MORTARTEC 3 FOR JEFFERSON PARISH DRAINAGE
DEPARTMENT.**

Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

14-Feb-2017 10:29:38 AM

DATE: 2/13/2017

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00118916

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

VENDOR: Coburn's Supply Company

BUYER: DREAMEY

Bids will be received until 11:00 AM, 2/23/2017 via fax: 504-364-2693 or via online at www.jeffparishbids.net.

This site is free for all Jefferson Parish vendors. For additional information on registration or use of this free site, please see the text box highlighting electronic procurement.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

10,12,13

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

Specifications for Mortartec Hydrex-1

Coverage: 1 lb. will fill 1 8 cubic inches or a crack $\frac{3}{4}$ inch x $\frac{3}{4}$ inch x 30 inches

Shelf life 12 months sealed

Technical properties:

Compressive strength:

ASTM C-109

1 Hour 1,500 psi

1 Day 3,500 psi

7 Days 4,900 psi

28 Days 5,500 psi

Bond Strength:

ASTM C882 (mod)

4 Hours 270 psi

28 Days 880 psi

Flexural Strength:

ASTM C-293

28 Days 950 psi

Shrinkage:

ASTM C-596

Tensile Strength:

ASTM C-4961

28 Days 650 psi

Freeze/ Thaw

ASTM C666 300 cycles- no damage

Packaging and color:

50 lb. pails (grey)

1 minute cure time

Specifications for Mortartec Hydrex-3

Coverage: 1 lb. will fill 1 8 cubic inches or a crack $\frac{3}{4}$ inch x $\frac{3}{4}$ inch x 30 inches

Shelf life 12 months sealed

Technical properties:

Compressive strength:

ASTM C-109

1 Hour 1,500 psi

1 Day 3,400 psi

7 Days 4,200 psi

28 Days 5,500 psi

Bond Strength:

ASTM C882 (mod)

4 Hours 250 psi

28 Days 850 psi

Flexural Strength:

ASTM C-293

28 Days 950 psi

Shrinkage:

ASTM C-596

Tensile Strength:

ASTM C-4961

28 Days 650 psi

Freeze/ Thaw

ASTM C666 300 cycles no damage

Packaging and color:

50 lb. pails (grey)

3 minute cure time

DATE: 2/13/2017

INVITATION TO BID
THIS IS NOT AN ORDER

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BID NO.: 50-00118916

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: Coburn's Supply Company

BUYER: DREAMEY

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

7-10 Days

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: Coburn's Supply Company	
SIGNATURE: (Must be signed here)	TITLE: OSR
PRINT OR TYPE NAME: Michael Self	
ADDRESS: 1849 Commercial Drive	
CITY, STATE: Harvey, LA	ZIP: 70058
TELEPHONE: (225) 369-3395	FAX: (504) 348-1095
EMAIL ADDRESS: mself@coburns.com	

TOTAL PRICE OF ALL BID ITEMS: \$ 3,612.00

DATE: 2/13/2017

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00118916

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	56.00	PL	ONE (1) YEAR CONTRACT FOR SUPPLY OF MORTARTEC 1 AND MORTARTEC 3 FOR JEFFERSON PARISH DRAINAGE DEPARTMENT.		
			0010 Mortartec Hydrex 1 leak stop. 1 minute cure time leak stop supplied in 50 pound pails. Quoting Strong seal Strong Plug	\$42.00	\$2,352.00
2	30.00	PL	0020 Mortartec Hydrex 3 leak stop 3 minute cure time leak stop supplied in 50 pound pails. Quoting Strong Seal QSR	\$42.00	\$1,260.00

STANDARD INSURANCE REQUIREMENTS – BIDS UNDER \$30k

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the bid. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. However, if a bidder has on file with the Purchasing Department a current (valid) insurance certificate that fulfills the requirements in this document, then this will be accepted as evidence of same. Otherwise, failure to submit a current (valid) insurance certificate with bid submission or if no current (valid) insurance certificate is on file, then the bid will be rejected. Final certificates shall name **the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability, Workmen's Compensation Insurance and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

☒ WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being

rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office with the concurrence of the Director of Risk Management.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required unless otherwise specified in the bid. Such insurance is due upon contract execution.

1) OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

2) BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda J. Campos
Director

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

Other Changes Continued:

- Effective June 1, 2017, bidders may no longer send bid responses via facsimile, as some bid solicitations may provide. Vendors responding to bid solicitations may only submit via USPS, courier service, hand delivery or via online by registering free of charge at www.jeffparishbids.net. For more information, please contact the Purchasing Department or visit jeffparish.net.
- Affidavits (Non-Public Works Affidavit or Public Works Affidavit) – as you are aware, bidders are required to submit affidavits pursuant to LA public bid law and Jefferson Parish Code of Ordinances. Bidders must read each bid package to ensure compliance. Effective August 1, 2016, ***affidavits are required with bid submission***. While copies are acceptable to include with bid submission, original affidavits are required upon contract execution. Original affidavits are encouraged with bid submission.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must continue producing final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

Bidders should reference the “Additional Requirements” section of the bid instructions and/or the “Important Notice to Bidders” included in the bid package for specific requirements to respond accordingly.

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

Client#: 2492

COBSUP

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/10/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER J. S. Edwards & Sherlock Insurance Agency, LLP P. O. 22237 Beaumont, TX 77720		CONTACT NAME: Ginny Johnson PHONE (A/C, No, Ext): 409 832-7736 E-MAIL ADDRESS: ginnny@edwardsandsherlock.com FAX (A/C, No): 409-833-1721	
INSURED Coburn Supply Co Inc P O Box 2177 Beaumont, TX 77704		INSURER(S) AFFORDING COVERAGE	
		INSURER A: Liberty Insurance Corporation	
		INSURER B: Liberty Mutual Fire Insurance C	
		INSURER C:	
		INSURER D:	
		INSURER E:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC		TB7691460237036	11/01/2016	11/01/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		AS2691460237026	11/01/2016	11/01/2017	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10000		TH7691460237056	11/01/2016	11/01/2017	EACH OCCURRENCE \$15,000,000 AGGREGATE \$15,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> N/A (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below		WA769D460237016	11/01/2016	11/01/2017	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder Continued: Its Districts, Departments, Agencies under the direction of the Parish President and Parish Council Engineering Department

Resolution NO.: 125223

The General Liability & Auto Liability policies include a blanket automatic additional insured endorsement that provides additional insured status only when there is a written contract that requires such status.

(See Attached Descriptions)

CERTIFICATE HOLDER

CANCELLATION

The Parish of Jefferson,
 1221 Elmwood Park Blvd.,
 Ste. 802
 New Orleans, LA 70123

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Craig Sherlock

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DESCRIPTIONS (Continued from Page 1)

Primary & Non-Contributory coverage is provided on a blanket basis when there is a written contract that requires such status with respects to the General Liability coverage. A Waiver of Subrogation is included on blanket basis with respects to the Workers' Compensation, General Liability & Auto Liability status only when there is a written contract that requires such status. Umbrella is written on follow form.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

Any person or organization which is required by written contract.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- b. Those statements are based upon representations you made to us; and
- c. We have issued this policy in reliance upon your representations.

7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V – DEFINITIONS

1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
 - a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and
 - b. Regarding web sites, only that part of a web site that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.
2. "Auto" means:
 - a. A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
 - b. Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged.

However, "auto" does not include "mobile equipment".

3. "Bodily injury" means bodily injury, sickness or disease sustained by a person, including death resulting from any of these at any time.
 4. "Coverage territory" means:
 - a. The United States of America (including its territories and possessions), Puerto Rico and Canada;
 - b. International waters or airspace, but only if the injury or damage occurs in the course of travel or transportation between any places included in Paragraph a. above; or
 - c. All other parts of the world if the injury or damage arises out of:
 - (1) Goods or products made or sold by you in the territory described in Paragraph a. above;
 - (2) The activities of a person whose home is in the territory described in Paragraph a. above, but is away for a short time on your business; or
 - (3) "Personal and advertising injury" offenses that take place through the Internet or similar electronic means of communication;
- provided the insured's responsibility to pay damages is determined in a "suit" on the merits, in the territory described in Paragraph a. above or in a settlement we agree to.
5. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".
 6. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, bylaws or any other similar governing document.
 7. "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.
 8. "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:
 - a. It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or
 - b. You have failed to fulfill the terms of a contract or agreement;
- if such property can be restored to use by the repair, replacement, adjustment or removal of "your product" or "your work" or your fulfilling the terms of the contract or agreement.

Policy Number AS2-691-460237-02.6

Issued By: Liberty Mutual Fire Insurance Co.

SCHEDULE OF ADDITIONAL INSURED - LESSOR(S)

The lessor is an additional insured according to the endorsement which applies in the state of leased vehicles garaging.

Additional Insured - Lessor(s)

Any lessor who has a written contract or agreement requiring you to provide primary coverage for the vehicle(s) specified in the lease

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

SCHEDULE

Name(s) Of Person(s) Or Organization(s):

Any person or organization for whom you perform work under a written contract if the contract requires you to obtain this agreement from us, but only if the contract is executed prior to the injury or damage occurring

Premium: \$ INCL

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The Transfer Of Rights Of Recovery Against Others To Us condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Where required by contract or written agreement prior to loss and allowed by law

In the state of Louisiana the premium charge is 2% of the total standard premium, subject to a minimum premium of \$250 per policy.

In the state of Mississippi the premium charge is 2% of the total manual premium, subject to a minimum premium of \$100 per policy.

In the state of Tennessee there is no premium charge.

Issued by Liberty Insurance Corporation 21814

For attachment to Policy No. WA7-69D-460237-01

Effective Date

Premium \$

Issued to Coburn Supply Company, Inc.

Strong-Seal® Systems STRONG-PLUG®

A hydraulic cement material specially formulated so that when mixed with water it will stop infiltrating water and provide high early strength for stopping leaks and repairing cracks in concrete, brick or other masonry constructed structures.

APPLICATION

WET

- Clean surface.
- Chisel out leak 1" wide and 1" deep.
- Add water and mix to a dough-like consistency.
- Press into crack and hold in place with hand or trowel until product sets.

DRY

- Clean surface.
- Sprinkle dry powder onto leak or hold in place with hand or trowel until wet.
- Allow leaking water to set dry material.
- Repeat procedure until leak stops.



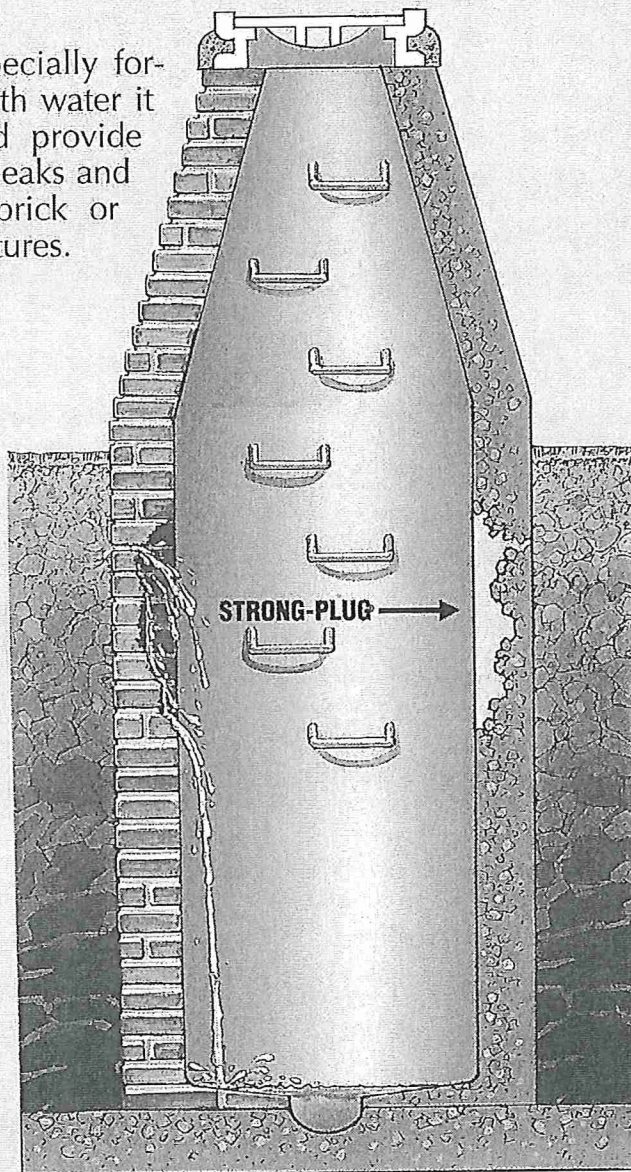
STRENGTH

TIME	COMPRESSION	BOND
1 Hr.	>1000 PSI	>400 PSI
24 Hrs.	>2500 PSI	>1000 PSI

Good ✓

FOR MORE INFORMATION CONTACT

THE FOREGOING IS SUBJECT TO THE STRONG COMPANY'S, INC. STANDARD LIMITED WARRANTY FOR THE DESCRIBED PRODUCTS.



SPECIFICATIONS

FEATURES

Fast setting, high, early strength, acid resistant, good bond strength, 0% shrinkage at 90% relative humidity ... easy application.

SET TIME

<1 minute

PACKAGING

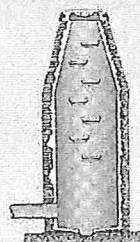
5-gallon pails
50 lbs. per pail

YIELD

1/2 cu. ft. per pail/bag

CAUTION

All persons working with Strong-Plug® should wear dust mask, eye protection and gloves.



The Strong Company, Inc.

4505 Emmett Sanders Road • Pine Bluff, AR 71601

(870) 535-7617 • 800-982-8009

Fax (870) 850-6933

Website: www.strongseal.com

Email: info@strongseal.com

Strong-Seal®

SYSTEMS

STRONG-PLUG®

INTENT: To provide a material specifically designed as very fast setting cementitious material for sealing active leaks in preparation for the lining of manholes.

<p>STRONG-PLUG®</p> <p>Strong-Seal® Strong-Plug® infiltration control material is a rapid setting cementitious product specifically formulated for leak control. Strong-Seal® Strong-Plug® shall be used to stop minor water infiltration and shall have the following minimum requirements:</p> <p>A. Compressive Strength: ASTM C109 > 1000 psi at 1 hour > 2500 psi at 24 hours</p> <p>B. Freeze/Thaw Resistance: ASTM C666 After 100 cycles no visible damage</p> <p>C. Sulfate Resistance: ASTM C267 No weight loss after 15 cycles at 2000 ppm</p> <p>D. Pull-Out Strength: ASTM C234 14000 lb</p> <p>E. Set Time: 1 minute</p> <p>H. Packaging: 50 lb pail</p> <p>I. Mix Water: 1 part water to 3 parts Strong-Plug®</p> <p>J. Yield 0.38 ft³ per pail</p>	<p>SURFACE PREPARATION</p> <p>The area to be repaired must be free of all debris, loose brick, mortar, or concrete. Small cracks should be enlarged by chipping with a hammer and chisel to facilitate filling the crack with Strong-Plug® slurry or dry pack.</p> <p>APPLICATION</p> <p>Strong-Plug® is hand mixed in quantities such that placement can be made in less than one (1) minute. Mixing should be done near the area to be repaired. Mixing may be done either with a gloved hand, a wooden spoon, or a trowel. In those applications where a slurry is required, water is added to the dry material while stirring so as to produce a consistency fitting for the application, but not to exceed one (1) part water to three (3) parts Strong-Plug® by volume. The placement or working time is related to the amount of water used in making the mix. High water usage increases the set time, but in general, one minute can be considered maximum.</p> <p>CURING</p> <p>No special curing requirements are needed for Strong-Plug®.</p> <p>WEATHER</p> <p>No application shall be made to frozen surfaces or if freezing is expected to occur within the substrate within 24 hours after application. Precautions shall be taken to keep the mix temperature at time of application below 90 degrees F. Water temperature shall not exceed 80 degrees F. Chill with ice if necessary.</p> <p>PRODUCT TESTING</p> <p>Four 2 inch cubes shall be cast each day or from every pallet of product used and shall be properly packaged, labeled and returned to the manufacturer for testing in accordance with the owner's or manufacturer's directions for compression strength per ASTM C109 procedure.</p>
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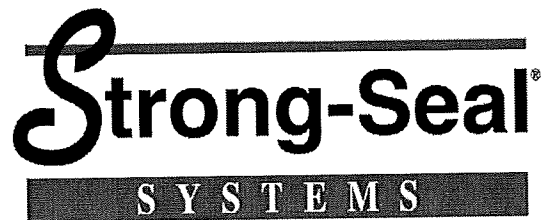
The Strong Company, Inc.

4505 Emmett Sanders Road

Pine Bluff, AR 71601

(800) 982-8009 Fax (870) 850-6933

Website: www.strongseal.com E-mail: info@strongseal.com



***STRONG-PLUG® SPECIFICATIONS:
for SEALING ACTIVE WATER INFILTRATION***

INTENT: To provide a material specifically designed as very fast setting cementitious material for sealing active leaks in preparation for the lining of manholes.

1.0 GENERAL

The work consists of applying a quick-setting cementitious material, either as a dry powder or as a thick paste to eliminate water infiltration prior to spraying Strong-Seal® cementitious liner materials. The applicator shall furnish all labor and materials using application procedures in accordance with the manufacturer's recommendations and per the following specifications.

2.0 MATERIALS

2.1 INFILTRATION CONTROL MATERIAL (Strong-Seal® Strong-Plug®):

Strong-Plug®, a rapid setting cementitious product specifically formulated for leak control, shall be used to stop minor water infiltration and shall be applied according to manufacturers' recommendations and shall have the following minimum requirements:

Strong-Seal® Strong-Plug® Minimum Requirements		
Compressive Strength	ASTM C109	>1000 psi, 1hr. >2500 psi, 24 hrs.
Sulfate Resistance	ASTM C267	No weight loss after 15 cycles @ 2000 ppm
Freeze/Thaw	ASTM C666 "Method A"	100 cycles
Pull Out Strength	ASTM C234	14,000 lbs.
Set Time		<1.0 minute

2.2 WATER:

For wet application water shall be clean and potable. Questionable water shall be tested by a laboratory per ASTM C-94 procedure. Potable water need not be tested.

2.3 OTHER MATERIALS:

No other material shall be used with Strong-Seal® Strong-Plug® without prior approval or recommendation from Strong-Seal® Systems.

3.0 APPLICATION

3.1 PREPARATION:

All foreign material shall be removed from the area around the leak to be stopped using a high-pressure water spray (minimum 3000 psi). Unusual conditions such as heavy grease build-up or residues of industrial or processing wastes may require hydro-blasting or chemical cleaning. Loose and protruding brick, mortar, and concrete shall be removed using a masons hammer and chisel and/or scraper.

3.2 PLACEMENT:

Strong-Plug® is applied dry or as a very thick paste by hand or trowel. Material is held in place, allowing the infiltrating liquid to set the mix. Some leaks may require weep holes to localize the infiltration during the application. After application the weep holes shall be plugged with the quick setting material Strong-Seal® QSR prior to the application of the liner.

4.0 CURING

Strong-Plug® set time is less than one minute. Patching material such as Strong-Seal® QSR or Strong-Seal® cementitious liner material can be applied over Strong-Plug® immediately after leaks are stopped.

5.0 WEATHER

No application shall be made if ambient temperature is below 40 degrees Fahrenheit. No application shall be made to frozen surfaces or if freezing is expected to occur within the substrate within 24 hours after application.

6.0 LIMITED WARRANTY

The Strong Company, Inc. warrants that this product was produced in conformity with its standard specification or formulations within recognized tolerances, free of adulteration or contamination, and that the product will perform in accordance with representations in Strong-Seal® Systems literature and Technical Data Sheets when properly applied in strict conformance with the printed instructions on container and prescribed in technical data instructions and when applied to a properly prepared surface.

The sole remedy of the purchaser shall be replacement of the product or refund of the purchase price of the product if any defect in material or variance in the product beyond recognized tolerances in the specifications are found to exist.

No other remedy including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss shall be available to the purchaser.

DISCLAIMER

THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPHS SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

The Strong Company, Inc.
4505 Emmett Sanders Road
Pine Bluff, AR 71601
(800) 982-8009 Fax (870) 850-6933
Website: www.strongseal.com E-mail: info@strongseal.com

Safety Data Sheet

Strong-Seal® Strong-Plug®

Date Prepared: 31 DEC 2014
Supersedes: 01 JUL 2007



Section 1

Product Description

Product Name: Strong-Seal® Strong-Plug®
Synonyms: Strong-Plug®, Plug
General Use: To stop leaks, restore structural integrity and provide corrosion protection to concrete and masonry wastewater structures.
Product Description: A calcium aluminate cement product blended with pozzolans, lightweight aggregate, fiberglass reinforcement and performance enhancing admixtures.
Manufacturer: The Strong Company, Inc.
4505 Emmett Sanders Road
Pine Bluff, AR 71601
Chemical Information: (870) 535-7617
Emergency Number: (800) 982-8009

Section 2

Hazards Identification

Classification of the product in accordance with paragraph (d) of §1910.1200;

Signal Word:
Danger



GHS Classification:

Acute Toxicity Oral, Category 4
Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1

Carcinogenicity, Category 1A
Specific Target Organ Toxicity Single Exposure, Category 3
Specific Target Organ Toxicity Repeat Exposure, Category 2

Hazard Statements:

Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause cancer.

May cause respiratory irritation.
May cause damage to lungs through prolonged or repeated inhalation.

Precautionary Statements:

Prevention:

Keep product sealed in original packaging. Store in a dry, well-ventilated place. Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, clothing, and eye and face protection. Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use. Do not handle until all instructions have been read and understood.
Do not breathe dust, fumes, gases, mists, vapors, or sprays.
Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection.
Dispose of contents/container in accordance with local/regional/international regulations.

Response:

In case of inhalation, remove to well-ventilated place. If breathing difficulty occurs, administer oxygen. Seek medical help if coughing and other medical symptoms do not subside.
In case of eye contact, immediately flush eyes with copious amounts of water. Continue flushing for 15 minutes including under the lids to remove all particles. Call a physician immediately if irritation persists.
In case of skin contact, wash skin with pH-neutral soap and water. Apply moisture renewing lotions to heal dry, irritated skin. Seek medical attention in all cases of severe irritation or burns.
In case of ingestion, do NOT induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

Safety Data Sheet

Section 3 Composition/Information on Ingredients

Chemical Name:	Common Name:	CAS #:	Weight %:*
Portland cement	Portland cement	65997-15-1	<25%
Calcium aluminate cement	Calcium aluminate cement	65997-16-2	<25%
Crystalline silica	Masonry sand	14808-60-7	<40%
Calcium carbonate	Limestone	1317-65-3	<30%
Calcium hydroxide	Hydrated lime	1305-62-0	<5%
Calcium oxide	Quicklime	1305-78-8	<5%

*Weight percentages are claimed as trade secrets of The Strong Company, Inc.

Section 4 First-Aid Measures

Inhalation:	Remove to well-ventilated place. If breathing difficulty occurs, administer oxygen. Seek medical help if coughing and other medical symptoms do not subside.
Eye Contact:	Immediately flush eyes with copious amounts of water. Continue flushing for 15 minutes including under the lids to remove all particles. Call a physician immediately if irritation persists.
Skin Contact:	Wash skin with pH-neutral soap and water. Apply moisture renewing lotions to heal dry, irritated skin. Seek medical attention in all cases of severe irritation or burns.
Ingestion:	Do NOT induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

Section 5 Fire-Fighting Measures

General Hazards:	Product is not hazardous during normal fire-fighting procedures and contains less than 1% organic substances that may produce smoke, fumes and/or hazardous gases.
Extinguishing Media:	Carbon dioxide, water, dry chemical, or foam may be used if smoldering occurs.
Fire-Fighting Protection:	No special protection required.
Fire and/or Explosion Hazards:	No fire or explosion hazards.
Hazardous Combustion Products:	Smoke, fumes, carbon dioxide, carbon monoxide, and oxides of sulfur may be released.

Section 6 Accidental Release Measures

Steps to Take in Case Material is Released or Spilled:	Product is not considered hazardous according to RCRA (40 CFR Part 261). Follow personal protective equipment recommendations found in Section 8 of this SDS at a minimum. Avoid creating dust and use adequate ventilation and/or dust collection during clean-up. Shovel or vacuum product into a sealed container pending a waste disposal evaluation. Do not discharge into lakes, ponds, streams, or waterways.
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Section 7 Handling and Storage

Handling:	Avoid creating and breathing dust. At a minimum, follow personal protective equipment recommendations found in Section 8 of this SDS.
Storage:	Product reacts with water. Store product in a dry location. Keep packaging sealed until use.

Section 8 Exposure Controls/Personal Protection

Chemical Name:	OSHA PEL		ACGIH TLV
	Total Dust:	Respirable Fraction:	TWA:
Portland cement	15 mg/m ³	5 mg/m ³	10 mg/m ³
Calcium aluminate cement	15 mg/m ³	5 mg/m ³	10 mg/m ³
Crystalline silica	0.29 mg/m ³	0.10 mg/m ³	0.05 mg/m ³
Calcium carbonate	15 mg/m ³	5 mg/m ³	10 mg/m ³
Calcium hydroxide	15 mg/m ³	5 mg/m ³	5 mg/m ³
Calcium oxide	Not available	5 mg/m ³	2 mg/m ³

Control Parameters

Engineering Measures: Use local exhaust ventilation or other engineering controls to reduce dust concentrations below overexposure levels. Refer to ACGIH publication "Industrial Ventilation" or similar publications for design of ventilation systems.

Personal Protective Equipment (PPE)

Respiratory Protection:	Respirators are recommended during normal operation. When concentrations exceed PEL or TLV limits, respirator use is required.
Respirator Type(s):	N95 filtering facepiece or P95 half facepiece respirators are adequate for use during normal operation.
Eye Protection:	Wear tight fitting safety goggles to prevent contact with the eyes. Contact lenses should not be worn when handling products containing cement.
Skin Protection:	Wear impervious, alkali resistant gloves, closed-toe shoes or boots, and protective clothing to prevent contact with the skin.
Glove Type(s):	Wear impervious, alkali resistant gloves.

Safety Data Sheet

Section 9 Physical and Chemical Properties

Formula:	See Section 3	Specific Gravity:	Varies (mixture)
Appearance:	Gray to brown powder	Vapor Pressure:	N/A (solid)
Odor:	Odorless	Evaporation Rate (BuAc = 1):	N/A (solid)
Lower Flammability Limit:	Not combustible	Vapor Density (Air = 1):	N/A (solid)
pH:	9 – 11 (10% slurry in water)	Solubility in Water:	<1%
Melting Point:	N/A	Viscosity:	N/A (solid)
Boiling Point:	N/A	Volatile Organic Compounds:	N/A

Section 10 Stability and Reactivity

Reactivity:	Reacts readily with water and produces an exothermic reaction (heat) and caustic calcium hydroxide.
Stability:	Stable under normal conditions.
Conditions to Avoid:	Unintentional contact with water.
Incompatible Materials:	Product is incompatible with oxidizing materials.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

Section 11 Toxicological Information

Route(s) of Entry:	Inhalation, eye contact, skin contact, ingestion
Target Organs:	Acute: Eyes, Respiratory System, Skin, Stomach Chronic: Respiratory System, Immune System, Skin, Kidneys, Joints
Acute Symptoms:	Inhalation of the product can irritate the nose and respiratory tract causing inflammation, sneezing, runny nose, and/or coughing. Contact with moist tissue areas such as the eyes and nose can cause mild irritation to severe burns or even blindness. These areas should be flushed with water immediately. Skin contact can cause dryness or cracking and trigger dermatitis in sensitive individuals. Ingestion of small amounts may cause nausea and is not known to be harmful; however, ingestion of large amounts can lead to severe burns of the mouth, throat, stomach, and digestive tract.
Delayed Symptoms:	Prolonged skin and moist tissue contact can lead to delayed chemical burns that may range from mild to third degree. Burns can develop with little to no warning as pain or discomfort is normally not felt immediately after contact. Full extent of the damage may not be felt until several hours after contact. As such, pain or discomfort should not be used to determine the severity of burns. Always use pH-neutral soap and water to immediately wash areas that were exposed.
Chronic Symptoms:	Crystalline silica is listed by the IARC as a known carcinogen and causes the chronic lung disease known as silicosis. Silicosis is known to increase the risk of contracting tuberculosis. Crystalline silica has also been shown to lead to autoimmune disorders and renal disorders.

Acute Toxicity

Chemical Name:	CAS #:	Oral LD50:	Dermal LD50:	Inhalation LC50:
Portland cement	65997-15-1	Not determined	Not determined	Not determined
Calcium aluminate cement	65997-16-2	Not determined	Not determined	Not determined
Crystalline silica	14808-60-7	500 mg/kg (rat)	Not determined	Not determined
Calcium carbonate	1317-65-3	6450 mg/kg (rat)	Not determined	Not determined
Calcium hydroxide	1305-62-0	Not determined	Not determined	Not determined
Calcium oxide	1305-78-8	Not determined	Not determined	Not determined

Carcinogenicity

Chemical Name:	CAS #:	IARC:	NTP:	OSHA:
Portland cement	65997-15-1	Not listed	Not listed	Not listed
Calcium aluminate cement	65997-16-2	Not listed	Not listed	Not listed
Crystalline silica	14808-60-7	Listed, Group 1	Listed, Known	Not listed
Calcium carbonate	1317-65-3	Not listed	Not listed	Not listed
Calcium hydroxide	1305-62-0	Not listed	Not listed	Not listed
Calcium oxide	1305-78-8	Not listed	Not listed	Not listed

Safety Data Sheet

Section 12

Ecological Information

Overview: Product is not expected to present an ecological hazard.
Mobility: Product is a solid and is expected to have low to zero mobility in soil.
Persistence: Product is expected to persist in the environment for an extensive period of time as it changes from a fine powder to a hard solid when exposed to water.
Degradability: Product is not expected to biodegrade quickly.
Other Adverse Effects: None known

Section 13

Disposal Considerations

Overview: Not considered a hazardous waste under RCRA 40 CFR Part 261.
Disposal Methods: Dispose of in accordance with local, state, and federal regulations. Always contact a permitted waste disposer to assure compliance. Refer to Section 8 to minimize exposure.
Waste Disposal Code(s): N/A

Section 14

Transport Information

Overview: Not considered a hazardous substance under U.S. DOT regulations.
UN No.: N/A **Hazard Class:** N/A
UN Shipping Name: N/A **Packing Group No.:** N/A

Section 15

Regulatory Information

OSHA HCS: The components of this product are considered hazardous chemicals under this regulation and should be included in an employer's Hazard Communication Program.
TSCA Status: All non-proprietary components in this product are on the TSCA Inventory.
FHSA: Components of this product, Portland cement and calcium aluminate cement, are considered as a hazardous substance. As such, this product is subject to statutes promulgated under the act.

Reporting Requirements:

Chemical Name:	EPCRA (SARA Title III)					CERCLA	CAA
	§ 302:	§ 304:	§ 311:	§ 312:	§ 313:	40 CFR 302:	112(r)
Portland cement	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Calcium aluminate cement	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Crystalline silica	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Calcium carbonate	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Calcium hydroxide	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Calcium oxide	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No

California Prop. 65: A component of this product, crystalline silica, is a substance known to the State of California as a carcinogen. This product may also contain trace amounts of heavy metals or organic compounds known to the State of California to cause cancer, birth defects, or other reproductive toxins.

Section 16

Other Information

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Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	IARC	International Agency for Research on Cancer
CAA	Clean Air Act	LD(C)50	Median Lethal Dose (Concentration)
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	N/A	Not Available or Not Applicable
DOT	U.S. Department of Transportation	NTP	National Toxicology Program
EPCRA	Emergency Planning and Community Right-to-Know Act	RCRA	Resource Conservation and Recovery Act
FHSA	Federal Hazardous Substances Act	SARA	Superfund Amendments and Reauthorization Act
HCS	Hazard Communication Standard	TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		TWA	8-Hour Time Weighted Average

Strong-Seal® Systems

QSR PATCHING MATERIAL

A fast setting, high early strength, acid resistant, hand mixed and hand applied product for filling voids and repairing inverts in concrete, brick or other masonry constructed structures.

FIBER REINFORCED!

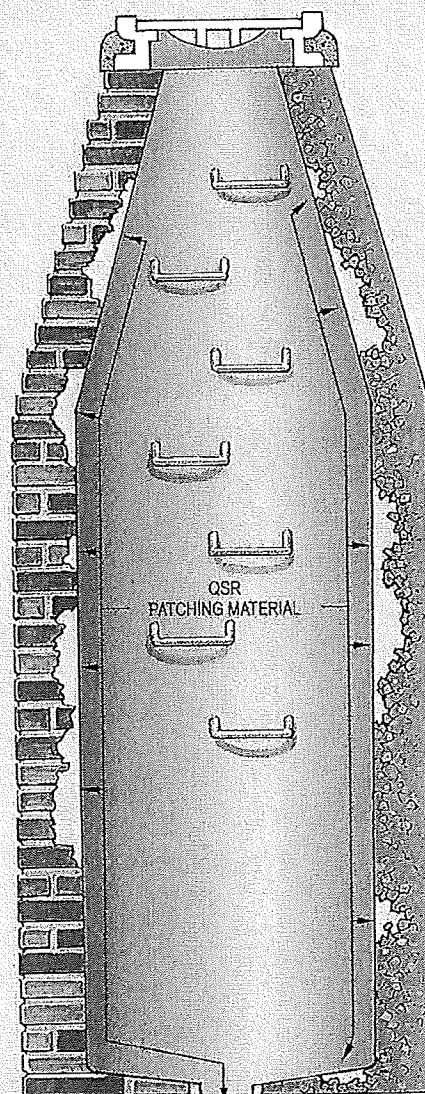
APPLICATION

- Wash surface clean.
- Remove loose brick, mortar and debris.
- Mix in small quantities. No more than can be placed within 10 minutes.
- Mix with water to a dough-like consistency.
- When filling voids, hold in place with hand or trowel until material will remain in place.
- Allow QSR to set for a minimum of 1 hour before applying Strong-Seal® Liner.
- When repairing inverts, trowel to contour of invert and onto bench a minimum of 1/2" thick.



COMPRESSIVE STRENGTH

1 Hour	>1800 PSI
24 Hours	>2600 PSI
28 Days	>3000 PSI



BOND (28 Days)

>2000 PSI

SHRINKAGE

0% @ 90% relative humidity

MIX RATIO

(by volume)
1 part water-3 parts QSR

PLACEMENT TIME

5-10 minutes

FLOW RELEASE

15-30 minutes after placement

PACKAGING

5-gallon pails
40 lbs. per pail

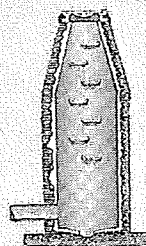
YIELD

.6 cu. ft. per pail

CAUTION

All persons working with QSR should wear dust mask, eye protection and gloves.

FOR MORE INFORMATION CONTACT



The Strong Company, Inc.

4505 Emmett Sanders Road • Pine Bluff, AR 71601

(870) 535-7617 • 800-982-8009

Fax (870) 850-6933

Website: www.strongseal.com

Email: info@strongseal.com

THE FOREGOING IS SUBJECT TO THE STRONG COMPANY'S, INC. STANDARD LIMITED WARRANTY FOR THE DESCRIBED PRODUCTS.



QSR (Quick-Set-Repair)

INTENT: To provide a material specifically designed as a fast setting, corrosion resistant, reinforced cementitious patching material for filling voids and repairing of inverts.

QSR	SURFACE PREPARATION
<p>Strong-Seal® QSR is a hand mixed and hand applied quick-setting, corrosion resistant cementitious material to fill voids and repair inverts prior to spraying Strong-Seal® materials. Strong-Seal® QSR shall have the following minimum requirements:</p>	<p>The area to be repaired must be free of all debris and free water. All loose brick, mortar, and concrete must be removed using a mason's hammer and chisel if necessary. The surface being repaired must be damp.</p>
<p>A. Compressive Strength: ASTM C109 > 800 psi at 1 hour > 1800 psi at 24 hours</p>	<p>APPLICATION</p> <p>Strong-Seal® QSR is hand mixed in quantities no greater than the amount that can be placed in ten (10) minutes. Add one (1) part water with three (3) parts QSR or add water until desired consistency is obtained. Mixing shall be done in a round bottom mixing bowl or pail using gloved hands, a wooden spoon, or a trowel for mixing. The homogeneous mix is of a dough-like consistency and shall be placed by hand or trowel, applying pressure and holding in position until material remains in place.</p>
<p>B. Bond Strength: ASTM C882 > 1600 psi at 28 days</p>	<p>Invert repair shall be performed on all inverts with visible damage or where infiltration is present or when vacuum testing is specified. Block flow through the manhole, and thoroughly clean the invert. Strong-Seal® QSR shall be applied to the invert in an expeditious manner, and material shall be troweled uniformly at a minimum thickness of 1/2 inch at the extending out onto the bench of the manhole to sufficiently tie into the structural monolithic liner to be spray applied. The finished invert surfaces shall be smooth and free of ridges. The flow may be reestablished in the manhole within 30 minutes after placement of the material.</p>
<p>C. Shrinkage at 90% R.H.: ASTM C596 0.0%</p>	<p>CURING</p> <p>Voids filled with QSR shall be allowed a minimum one (1) hour cure time before application of Strong-Seal® liner and SHALL NOT be finished to a smooth surface. Inverts and other areas not being covered with Strong-Seal® liner material shall be troweled to a smooth surface and blended into surrounding material.</p>
<p>D. Placement Time: 5 – 10 minutes</p>	<p>WEATHER</p> <p>No application shall be made to frozen surfaces or if freezing is expected to occur within the substrate within 24 hours after application. Precautions shall be taken to keep the mix temperature at time of application below 90 degrees F. Water temperature shall not exceed 80 degrees F. Chill with ice if necessary.</p>
<p>E. Set Time: 15 – 30 minutes</p>	<p>PRODUCT TESTING</p> <p>Four 2 inch cubes shall be cast each day or from every pallet of product used and shall be properly packaged, labeled and returned to the manufacturer for testing in accordance with the owner's or manufacturer's directions for compression strength per ASTM C109 procedure.</p>
<p>G. Wet Unit Weight: 105 ± 5 lb/ft³</p>	
<p>H. Packaging: 50 lb bag or 40 lb pail</p>	
<p>I. Mix Water: 1 part water to 3 parts QSR</p>	
<p>J. Yield 0.60 ft³ per bag 0.48 ft³ per pail</p>	

Safety Data Sheet

Strong-Seal® QSR

Date Prepared: 31 DEC 2014
Supersedes: 01 JUL 2007



Section 1

Product Description

Product Name: Strong-Seal® QSR
Synonyms: QSR, Quick-Set-Repair
General Use: To stop leaks, restore structural integrity and provide corrosion protection to concrete and masonry wastewater structures.
Product Description: A rapid setting calcium aluminate cement product blended with pozzolans, lightweight aggregate, fiberglass reinforcement and performance enhancing admixtures.
Manufacturer: The Strong Company, Inc.
4505 Emmett Sanders Road
Pine Bluff, AR 71601
Chemical Information: (870) 535-7617
Emergency Number: (800) 982-8009

Section 2

Hazards Identification

Classification of the product in accordance with paragraph (d) of §1910.1200;

Signal Word:
Danger



GHS Classification:

Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1

Carcinogenicity, Category 1A
Specific Target Organ Toxicity Single Exposure, Category 3
Specific Target Organ Toxicity Repeat Exposure, Category 2

Hazard Statements:

Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause cancer.

May cause respiratory irritation.
May cause damage to lungs through prolonged or repeated inhalation.

Precautionary Statements:

Prevention:

Keep product sealed in original packaging. Store in a dry, well-ventilated place. Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, clothing, and eye and face protection. Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use. Do not handle until all instructions have been read and understood.
Do not breathe dust, fumes, gases, mists, vapors, or sprays.
Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection.
Dispose of contents/container in accordance with local/regional/international regulations.

Response:

In case of inhalation, remove to well-ventilated place. If breathing difficulty occurs, administer oxygen. Seek medical help if coughing and other medical symptoms do not subside.
In case of eye contact, immediately flush eyes with copious amounts of water. Continue flushing for 15 minutes including under the lids to remove all particles. Call a physician immediately if irritation persists.
In case of skin contact, wash skin with pH-neutral soap and water. Apply moisture renewing lotions to heal dry, irritated skin. Seek medical attention in all cases of severe irritation or burns.
In case of ingestion, do NOT induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

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Section 3

Composition/Information on Ingredients

Chemical Name:	Common Name:	CAS #:	Weight %:*
Calcium aluminate cement	Calcium aluminate cement	65997-16-2	<60%
Fly ash	Fly ash	68131-74-8	<40%
Expanded perlite	Expanded perlite	93763-70-3	<10%
Fibrous glass	Chopped fiberglass strands	65997-17-3	<5%
Crystalline silica	Quartz	14808-60-7	<5%
Proprietary admixture blend*	Concrete admixtures	Varies*	<5%

*Proprietary admixture blend and weight percentages are claimed as trade secrets of The Strong Company, Inc.

Section 4

First-Aid Measures

Inhalation:	Remove to well-ventilated place. If breathing difficulty occurs, administer oxygen. Seek medical help if coughing and other medical symptoms do not subside.
Eye Contact:	Immediately flush eyes with copious amounts of water. Continue flushing for 15 minutes including under the lids to remove all particles. Call a physician immediately if irritation persists.
Skin Contact:	Wash skin with pH-neutral soap and water. Apply moisture renewing lotions to heal dry, irritated skin. Seek medical attention in all cases of severe irritation or burns.
Ingestion:	Do NOT induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

Section 5

Fire-Fighting Measures

General Hazards:	Product is not hazardous during normal fire-fighting procedures and contains less than 1% organic substances that may produce smoke, fumes and/or hazardous gases.
Extinguishing Media:	Carbon dioxide, water, dry chemical, or foam may be used if smoldering occurs.
Fire-Fighting Protection:	No special protection required.
Fire and/or Explosion Hazards:	No fire or explosion hazards.
Hazardous Combustion Products:	Smoke, fumes, carbon dioxide, carbon monoxide, and oxides of sulfur may be released.

Section 6

Accidental Release Measures

Steps to Take in Case Material is Released or Spilled:	Product is not considered hazardous according to RCRA (40 CFR Part 261). Follow personal protective equipment recommendations found in Section 8 of this SDS at a minimum. Avoid creating dust and use adequate ventilation and/or dust collection during clean-up. Shovel or vacuum product into a sealed container pending a waste disposal evaluation. Do not discharge into lakes, ponds, streams, or waterways.
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Section 7

Handling and Storage

Handling:	Avoid creating and breathing dust. At a minimum, follow personal protective equipment recommendations found in Section 8 of this SDS.
Storage:	Product reacts with water. Store product in a dry location. Keep packaging sealed until use.

Section 8

Exposure Controls/Personal Protection

Chemical Name:	OSHA PEL		ACGIH TLV
	Total Dust:	Respirable Fraction:	TWA:
Calcium aluminate cement	15 mg/m ³	5 mg/m ³	10 mg/m ³
Fly ash	15 mg/m ³	5 mg/m ³	10 mg/m ³
Expanded perlite	15 mg/m ³	5 mg/m ³	10 mg/m ³
Fibrous glass	15 mg/m ³	5 mg/m ³	10 mg/m ³
Crystalline silica	0.29 mg/m ³	0.10 mg/m ³	0.05 mg/m ³
Proprietary admixture blend	15 mg/m ³	5 mg/m ³	10 mg/m ³

Control Parameters

Engineering Measures:

Use local exhaust ventilation or other engineering controls to reduce dust concentrations below overexposure levels. Refer to ACGIH publication "Industrial Ventilation" or similar publications for design of ventilation systems.

Personal Protective Equipment (PPE)

Respiratory Protection:

Respirators are recommended during normal operation. When concentrations exceed PEL or TLV limits, respirator use is required.

Respirator Type(s):

N95 filtering facepiece or P95 half facepiece respirators are adequate for use during normal operation.

Eye Protection:

Wear tight fitting safety goggles to prevent contact with the eyes. Contact lenses should not be worn when handling products containing cement.

Skin Protection:

Wear impervious, alkali resistant gloves, closed-toe shoes or boots, and protective clothing to prevent contact with the skin.

Glove Type(s):

Wear impervious, alkali resistant gloves.

Safety Data Sheet

Section 9 Physical and Chemical Properties

Formula:	See Section 3	Specific Gravity:	Varies (mixture)
Appearance:	Gray to brown powder	Vapor Pressure:	N/A (solid)
Odor:	Odorless	Evaporation Rate (BuAc = 1):	N/A (solid)
Lower Flammability Limit:	Not combustible	Vapor Density (Air = 1):	N/A (solid)
pH:	9 – 11 (10% slurry in water)	Solubility in Water:	<1%
Melting Point:	N/A	Viscosity:	N/A (solid)
Boiling Point:	N/A	Volatile Organic Compounds:	N/A

Section 10 Stability and Reactivity

Reactivity:	Reacts readily with water and produces an exothermic reaction (heat) and caustic calcium hydroxide.
Stability:	Stable under normal conditions.
Conditions to Avoid:	Unintentional contact with water.
Incompatible Materials:	Product is incompatible with oxidizing materials.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

Section 11 Toxicological Information

Route(s) of Entry:	Inhalation, eye contact, skin contact, ingestion
Target Organs:	Acute: Eyes, Respiratory System, Skin, Stomach Chronic: Respiratory System, Immune System, Kidneys
Acute Symptoms:	Inhalation of the product can irritate the nose and respiratory tract causing inflammation, sneezing, runny nose, and/or coughing. Contact with moist tissue areas such as the eyes and nose can cause mild irritation to severe burns or even blindness. These areas should be flushed with water immediately. Skin contact can cause dryness or cracking and trigger dermatitis in sensitive individuals. Ingestion of small amounts may cause nausea and is not known to be harmful; however, ingestion of large amounts can lead to severe burns of the mouth, throat, stomach, and digestive tract.
Delayed Symptoms:	Prolonged skin and moist tissue contact can lead to delayed chemical burns that may range from mild to third degree. Burns can develop with little to no warning as pain or discomfort is normally not felt immediately after contact. Full extent of the damage may not be felt until several hours after contact. As such, pain or discomfort should not be used to determine the severity of burns. Always use pH-neutral soap and water to immediately wash areas that were exposed.
Chronic Symptoms:	Crystalline silica is listed by the IARC as a known carcinogen and causes the chronic lung disease known as silicosis. Silicosis is known to increase the risk of contracting tuberculosis. Crystalline silica has also been shown to lead to autoimmune disorders and renal disorders.

Acute Toxicity

Chemical Name:	CAS #:	Oral LD50:	Dermal LD50:	Inhalation LC50:
Calcium aluminate cement	65997-16-2	Not determined	Not determined	Not determined
Fly ash	68131-74-8	Not determined	Not determined	Not determined
Expanded perlite	93763-70-3	Not determined	Not determined	Not determined
Fibrous glass	65997-17-3	Not determined	Not determined	Not determined
Crystalline silica	14808-60-7	500 mg/kg (rat)	Not determined	Not determined
Proprietary admixture blend	Varies	Not determined	Not determined	Not determined

Carcinogenicity

Chemical Name:	CAS #:	IARC:	NTP:	OSHA:
Calcium aluminate cement	65997-16-2	Not listed	Not listed	Not listed
Fly ash	68131-74-8	Not listed	Not listed	Not listed
Expanded perlite	93763-70-3	Not listed	Not listed	Not listed
Fibrous glass	65997-17-3	Not listed	Not listed	Not listed
Crystalline silica	14808-60-7	Listed, Group 1	Listed, Known	Not listed
Proprietary admixture blend	Varies	Not listed	Not listed	Not listed

Safety Data Sheet

Section 12

Ecological Information

Overview: Product is not expected to present an ecological hazard.
Mobility: Product is a solid and is expected to have low to zero mobility in soil.
Persistence: Product is expected to persist in the environment for an extensive period of time as it changes from a fine powder to a hard solid when exposed to water.
Degradability: Product is not expected to biodegrade quickly.
Other Adverse Effects: None known

Section 13

Disposal Considerations

Overview: Not considered a hazardous waste under RCRA 40 CFR Part 261.
Disposal Methods: Dispose of in accordance with local, state, and federal regulations. Always contact a permitted waste disposer to assure compliance. Refer to Section 8 to minimize exposure.
Waste Disposal Code(s): N/A

Section 14

Transport Information

Overview: Not considered a hazardous substance under U.S. DOT regulations.
UN No.: N/A **Hazard Class:** N/A
UN Shipping Name: N/A **Packing Group No.:** N/A

Section 15

Regulatory Information

OSHA HCS: The components of this product are considered hazardous chemicals under this regulation and should be included in an employer's Hazard Communication Program.
TSCA Status: All non-proprietary components in this product are on the TSCA Inventory.
FHSA: A component of this product, calcium aluminate cement, is considered as a hazardous substance. As such, this product is subject to statutes promulgated under the act.

Reporting Requirements:

Chemical Name:	EPCRA (SARA Title III)					CERCLA 40 CFR 302:	CAA 112(r)
	§ 302:	§ 304:	§ 311:	§ 312:	§ 313:		
Calcium aluminate cement	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Fly ash	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Expanded perlite	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Fibrous glass	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Crystalline silica	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No
Proprietary admixture blend	No	No	Yes, 10,000 lb	Yes, 10,000 lb	No	No	No

California Prop. 65: A component of this product, crystalline silica, is a substance known to the State of California as a carcinogen. This product may also contain trace amounts of heavy metals or organic compounds known to the State of California to cause cancer, birth defects, or other reproductive toxins.

Section 16

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