



SUBMITTAL
DIVISION: 22
NO.: 221005-01

Title: Plumbing Piping - Oatey Heady Duty Gray PVC Cement Product
Data
Division: 22
No.: 221005-01
Contract No.: E6L38
LEAD Project No.: 18-04

PRIORITY: High

DESIGN TEAM REVIEW

Rev.	Description	Received	From	Sent	To	Returned	Forwarded	Status	Days Held
A	Plumbing Piping - Oatey Heady Duty Gray PVC Cement Product Data	25-Oct-19	KL	26-Oct-19	APCTE			OUT FOR REVIEW	

FDOT REVIEW

Rev.	Description	Received	From	Sent	To	Returned	Forwarded	Status	Days Held
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Review is for general conformance with the Contract Documents. Comments shall not be construed as relieving the supplier/subcontractor from strict compliance with such documents. The supplier/subcontractor remain responsible for details and accuracy, for complying with standards of the industry regarding fabrication, assembly, erection, and installation procedures.

☒ REVIEWED
☐ REVIEWED AS NOTED

☐ REVISED & RESUBMIT
☐ REJECTED

By: Joanna Flores

Date: 10/26/2019

Walker

Project Submittal Number: _____

- ☒ No Exception Taken ☐ Make Corrections Noted
Resubmittal not Required
☐ Rejected ☐ Revise and Resubmit
☐ Submittal Not Required
No Review Performed

Drawings have been reviewed for design intent and general compliance with the information given in the contract documents. Deviations from contract documents shall be clearly identified and are not reviewed nor accepted unless identified. Contractor is responsible for dimensions, quantities, fabrication, processes, and techniques of construction, coordination of its work with that of all other trades and satisfactory performance of its work.

Date: 11/05/2019 By: JStirling



Submittal #82.0

Kaufman Lynn Construction, Inc.
3185 S. Congress Avenue
Delray Beach, Florida 33445
Phone: 561-361-6700
Fax: 561-361-6979

Project: 1074 - Golden Glades Multimodal Transportation Facility
SW Quadrant of the Golden Glades Interchange Miami-Dade
Florida

Plumbing Piping - Oatey Heavy Duty Gray PVC Cement Product Data

SPEC SECTION:		SUBMITTAL MANAGER:	Tom Reeder (Kaufman Lynn Construction, Inc.)
STATUS:	Open	DATE CREATED:	10/25/2019
ISSUE DATE:	10/25/2019	REVISION:	0
RESPONSIBLE CONTRACTOR:	Integ Miami LLC	RECEIVED FROM:	Eduardo Pereira
RECEIVED DATE:	09/12/2019	SUBMIT BY:	10/25/2019
FINAL DUE DATE:	11/2/2019	LOCATION:	
SUB JOB:		COST CODE:	
		TYPE:	Product Data
APPROVERS:	Mario Rojas (A & P Consulting Transportation Engineers Corp.)		
BALL IN COURT:	Joanna Flores (Lead Engineering Contractors)		
DISTRIBUTION:	Carlos Teijeiro (Kaufman Lynn Construction, Inc.) , Tom Reeder (Kaufman Lynn Construction, Inc.) , Leonor Flores (Kaufman Lynn Construction, Inc.) , Joanna Flores (Lead Engineering Contractors) , Albert Acevedo (Kaufman Lynn Construction, Inc.)		
DESCRIPTION:			
ATTACHMENTS:	#22 1005-1 Plumbing Piping - Oatey Heavy Duty Gray PVC Cement Product Data - Submitted.pdf		

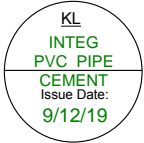
SUBMITTAL WORKFLOW

NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
Joanna Flores	Submitter		10/26/2019		Pending		
Mario Rojas	Approver		11/2/2019		Pending		

BY

DATE

COPIES TO

Submittal # #28**KL SUBMITTAL #22 1005-1**

FO-INTEG-PROJECT-PO0001-REV.03 Gestión de Control de Calidad / Quality Management

Information

Status: In Review**Task/tareas condition****Legend**

Overdue



Issue



On Time



Delayed Start



Inactive

Project (CDC) - Empresa/ COMPANY: Integ Miami LLC

Project (CDC) - CDC (Centro de Costo) I-PLUMBING-GGMF-021919

Project (CDC) - Customer Name Lead Engineering Contractor

Project (CDC) - Ubicacion 15890 Northwest 7th Avenue, Miami, Florida 33169

Submittal

Title: Submittal PVC Heavy Duty Gray Cement**Spec Section:****Description:****Submittal Type :** Product Data**Submit By:** 12-09-2019**Responsible Contractor:** Integ Miami LLC**Submittal Manager:** Eduardo Pereira**Issue Date:** 12-09-2019 12:00 AM**Final Due Date:** 13-09-2019**Lead Time:** 3**Ball in Court:** LEAD

Attachment

Attachment: 28 Submittal PVC Heavy Duty Gray Cement.pdf**Linked Drawings:****Notes:**

Stamp Info

Stamp Date: 12-09-2019**Other Name:**
☐ **Show Stamp on PDF:**

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL

Project No. 1074 Submittal No. #22 1005-1
☒ Reviewed ☐ Make Corrections Noted

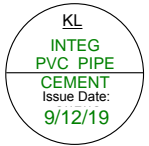
☐ Submit Specified Item

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Subcontractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques sequences of construction, coordination of his/her work with that of all trades, and the satisfactory performance of his/her work.

DATE: 10/25/2019 BY: T. REEDER

Submittal logs

Add Submittal LOG



Revision #	Date Submittal REV	Attachement Document:	Comments:
No submittal logs found			

Submittal Approval

☐ Approval

Name/Title:

Signature _____

Created today at 12:11 PM (PDT). Owned by pma@integca.com, PMA.

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL

Project No. 1074 Submittal No. #22 1005-1

☒ Reviewed ☐ Make Corrections Noted

☐ Submit Specified Item

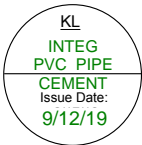
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DATE: 10/25/2019 BY: T. REEDER



PVC HEAVY DUTY GRAY CEMENT TECHNICAL SPECIFICATION

Job Name _____	Item # _____
Location _____	
Engineer _____	Contractor _____
PO # _____	Tag _____
Representative _____	



SPECIFICATIONS

- Heavy-bodied gray cement for use on all schedules and classes PVC pipe and fitting up to 12" diameter with interference fit, up to 18" for non-pressure.
- Lo-V.O.C. Solvent Cement meets California South Coast Air Quality Management District (SCAQMD) 1168/316A or BAAQMD Method 40 and various environmental requirements.
- Thick formula fills gaps in large diameter pipe and fitting joints.

APPLICATION / USES

- Recommended for potable water, pressure pipe, conduit and DWV.

PROPERTIES

VOC

Maximum VOC per SCAQMD 1168/316A or BAAQMD Method 40: 510 g/L

CHEMICAL PROPERTIES

Appearance	Gray Liquid
Viscosity	Min. 1600° cps @ 73° F ± 2° F
Density	7.86 ± 0.2 lbs/gallon
Shelf Life	3 Years from Mfg. Date

SET TIME / CURE TIME

30° F to 50° F	6 – 7 minutes
50° F to 70° F	4 – 5 minutes
70° F to 90° F	1 – 3 minutes



ASTM Standard D2564, NSF Standard 61 for PW, DWV and Sewer Waste, IAPMO Listed

PRODUCT NUMBER	SIZE	DESCRIPTION	CTN. QTY
31093	4 oz.	PVC Heavy Duty Gray Cement	24
31094	8 oz.	PVC Heavy Duty Gray Cement	24
31095	16 oz.	PVC Heavy Duty Gray Cement	24
311105	32 oz.	PVC Heavy Duty Gray Cement	12
31118	Gallon	PVC Heavy Duty Gray Cement - Wide Mouth	6



Reviewed for general conformance to the contract documents. This review does relieve the vendor of the responsibility of making the work conform to the plans and the **FDOT Design Standards**.

Submittal #: 28
 CDC: I-PLUMBING-GGTMF-021919
 Job #: 424
 Reviewed by: EDUARDO PEREIRA
 Date: 09/12/019
 Vendor: REVISION
 Product: PVC Heavy Duty Gray Cement
 Description:

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL

Project No. 1074 Submittal No. #22 1005-1

Reviewed ☒ Make Corrections Noted

Submit Specified Item

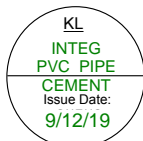
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DATE: 10/25/2019 BY: T. REEDER

§ Compliant with LEED Requirements. Solvent cements may be specified under the LEED v4 EQ for Low-Emitting Materials to obtain points



PVC HEAVY DUTY GRAY CEMENT TECHNICAL SPECIFICATION



KAUFMAN LYNN CONSTRUCTION - SUBMITTAL

Project No. 1074 Submittal No. #22 1005-1

☒ Reviewed ☐ Make Corrections Noted

Submit Specified Item

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DATE: 10/25/2019 BY: T. REEDER

DIRECTIONS

Store and use at temperatures between 40°F and 110°F.

- At temperatures outside of this range, special care must be taken to make good joints.

Stir or shake before using; if jelly-like, don't use. Do not thin

- Pipe ends must be cut square, deburred and chamfered.
- Check interference fit of pipe and fitting. Pipe should easily go 1/3 to 2/3 of the way into the fitting. If pipe bottoms inside the fitting hub without interference, proper fusion may not be achieved.
- Use a suitable applicator that is at least 1/2 the size of the pipe diameter. For larger size pipe systems use a natural bristle brush or roller.
- Clean pipe and fitting with a pipe cleaner or rag.
- Prime pipe with a listed primer. Apply primer inside the fitting hub and then to the pipe end. Re-dip the dauber and prime the fitting a second time.
- While primer is still wet, apply liberal coat of cement on pipe to the depth of the fitting hub, leave no uncoated surface. Apply a thin coat of cement to inside of fitting, avoid puddling of cement. Puddling can cause weakening and premature failure of pipe or fitting. Apply a second coat of cement to the pipe.
- Assemble parts QUICKLY. Cement must be fluid.
- Push pipe FULLY into fitting using a 1/4 turning motion until pipe bottoms.
- Hold pipe and fitting together for 30 seconds to prevent pipe push-out - longer at low temperatures. Wipe off excess.
- Allow 15 minutes for good handling strength.
- Allow correct cure times to pass before the plumbing system is tested.
 - Cure times are calculated based on pipe materials, pipe size, pressure and temperature of fluids passing through the pipes, humidity, ambient temperatures and the cement used for the application.
 - If you are unsure of the correct cure times for your application, please reach out to our customer service department for assistance (800) 321-9532

DO NOT TEST WITH AIR OR COMPRESSED GAS.

PRECAUTIONS

Read all information carefully before using this product.

DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR • CAUSES SKIN IRRITATION • CAUSES SERIOUS EYE IRRITATION • HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS • MAY CAUSE DROWSINESS OR DIZZINESS • MAY CAUSE RESPIRATORY IRRITATION • CONTAINS A CHEMICAL CLASSIFIED BY THE US EPA AS A SUSPECTED POSSIBLE CARCINOGEN • READ ENTIRE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN.

Prevention: Keep away from heat, sparks, open flames or hot surfaces.

No smoking. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye-protection, and face protection. Wear a NIOSH approved respirator for organic solvents. Vapors may accumulate in low places and may ignite explosively. Long term over exposure to solvents may cause damage to the brain, nervous system, reproductive system, respiratory system, mucous membranes, liver and kidneys. Repeated exposure to solvents may cause skin dryness or cracking.

Response: Specific treatment (see below).

EMERGENCY/FIRST AID: CALL 1-877-740-5015 FOR INSTRUCTIONS.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Rinse mouth. This product may be aspirated into the lungs and cause chemical pneumonitis, a potentially fatal condition. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. **IF ON SKIN:** Rinse skin with water/shower. Take off immediately all contaminated clothing. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell. If medical advice is needed, have product container or label at hand.

FIRE: Use dry chemical, foam, or carbon dioxide extinguisher. Water spray may be applied to reduce potential vapors or for cooling. Burning liquid extinguished with water will float and may re-ignite on surface of water.

SPILLS: Remove all sources of ignition and ventilate area. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high. Soak up spill with absorbent material. Put absorbent material in covered, labeled metal containers. Dispose of contents/container in accordance with local regulations. Store in a well-ventilated space. Store locked up.

§ Compliant with LEED Requirements. Solvent cements may be specified under the LEED v4 EQ for Low-Emitting Materials to obtain points