#### Submittal # #28



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

# Information

Status: In Review

Task/tareas condition

Legend
Overdue
On Time
Delayed Start
Inactive

Project (CDC) - Empresa/ Integ Miami LLC

COMPANY:

Project (CDC) - CDC ( Centro I-PLUMBING-GGMTF-021919

de Costo)

Project (CDC) - Customer Lead Engineering Contractor

Name

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

## Submittal

Title: Submittal PVC Heavy Duty Gray Cement

Spec Section: SECTION 22 1005 Description: PLUMBING PIPING UNDERGROUND - ALL BUILDING

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: KAUFFMAN

## 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:

# Submittal logs

Add Submittal LOG

9/13/2019 PROYECTOS INTEG -

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

•	Submittal Approval		
	Approval	Name/Title:	
	Signature		

 $Created \ on \ Sept. \ 12 \ at \ 12:11 \ PM \ (PDT). \ Last \ updated \ by \ \underline{pma@integca.com, PMA} \ today \ at \ 10:37 \ AM \ (PDT). \ Owned \ by \ \underline{pma@integca.com, PMA}.$ 



Job Name		Item #
Engineer	Contractor	
P0#	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	$7.86 \pm 0.2$ 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		

Inlegral Engineering O	Reviewed for general conformance to the contract documents. This review does reliev the vendor of the responsibility of making the work conform to the plans and the FDOT Design Standars.
Submittal #:	28
CDC:	I-PLUMBING-GGMTF-021919
Job #:	424
Reviewed by:	EDUARDO PEREIRA
Date:	09/12/019
Vendor:	REVISION
Product	PVC Heavy Duty Gray Cement
Description:	, . , ,











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

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



## **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

- **1.** 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.
- **3.** 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.
- **4.** Clean pipe and fitting with a pipe cleaner or rag.
- **5.** 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.
- 6. 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.
- **7.** Assemble parts QUICKLY. Cement must be fluid.
- **8.** Push pipe FULLY into fitting using a 1/4 turning motion until pipe bottoms.
- **9.** Hold pipe and fitting together for 30 seconds to prevent pipe push-out longer at low temperatures. Wipe off excess.
- **10.** Allow 15 minutes for good handling strength.
- **11.** 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.

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

## **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.