



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

September 25, 2012

**ADDENDUM #1
BID: W-67-12 SEAWALL IMPROVEMENTS AT 13TH COURT**

To Whom It May Concern,

Please review the following information provided by the City.

The method proposed for sealing joints on the landward side of the bulkhead, in lieu of excavating and placing geotextile fabric, is approved with the following conditions (1-5):

1. This method is approved for use in Task2/Step 2 and Task 7 only, where sealing of the landward side of the bulkhead is recommended. SEE SEALWALL INSPECTION REPORT
2. The contractor shall provide documentation of successful use of this product within the local area. The product shall be installed by a certified applicator.
3. The contractor shall provide a two year warranty against settlement in the applied areas. The warranty should cover the product, all labor and equipment for performing the work as originally specified.
4. The warranty period shall be the date of the last application of the product on the site.
5. The contractor shall be mindful that the application should take place to an elevation of 1ft. below the berm line on the opposite/water ward side of the bulkhead. Technically described and written verification of meeting this criteria must be provided, including photo-documentation of gauge or applied product volume.

Please see the attached specification sheets below (pages 3-5) of this addendum.

The remainder of the solicitation is unchanged at this time. No additional technical questions will be answered after today, September 25th, 2012 cutoff date to allow proposers sufficient time to submit in proposals. The deadline for receipt of sealed responses remains 2:00 p.m., September 28th, 2012, in the Purchasing office, 1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida, 33060. ***Acknowledge receipt of this Addendum in your submittal.***

Sincerely,

Dejenaba Wedemier
Purchasing Agent

cc: website, file

A 10% contingency of the bid amount is being added to the bid proposal pricing page. This bid proposal pricing page replaces the bid proposal pricing (page 16) in the bid document. Please submit pricing on the below revised bid proposal page.

Item	Description	Amount
1.	Seawall Improvements at 13 th Court and Intracoastal Waterway	\$ _____
2.	Indemnification	\$ 10.00 _____
3.	Contingency (10% of bid amount)	\$ _____
	GRAND TOTAL:	\$ _____

GRAND TOTAL in words: _____

Grace Construction Products



de neef®
SOIL PURE

Product Description

Soil PURE is a hydrophobic polyurethane that, when used alone or with Soil Cat PURE, is designed to increase the bearing capacity of permeable soil. In its uncured form, Soil PURE is a blackish-brown nonflammable liquid. When it comes in contact with water, the grout slightly expands and, depending on temperature and amount of accelerator (Soil Cat PURE) used, quickly cures to a very dense open cell foam that is essentially unaffected by corrosive environments and micro organisms.

Phthalate free- no phthalate-based plasticizers

Unregulated for transport- no hazmat shipping

Reformulated TDI free-all MDI based technology.

Environmentally friendly

Applications

- Stabilizing soil beneath slabs and roadways
- Confinement of hazardous materials in soil
- Creating below grade cut-off curtain wall

Properties

Soil PURE Resin		
Solids	100%	ASTM D1010
Viscosity	50 cp at 77°F	ASTM D1638
Color	Black-brown liquid	
Density	1.12 g/cm ²	ASTM D1638
Flashpoint	284°F	CC
Corrosiveness	Non-corrosive	
Soil Cat PURE		
Viscosity	15 cp at 77°F	ASTM D2196
Color	Clear Liquid	
Flashpoint	221°F	CC
Soil PURE Cured		
Density confined	1.00 g/cm ²	ASTM D3574
Compressive	1813 psi	confined w/ sand
Flexural	290 psi	confined w/ sand

Product Advantages

- Free Foam Expansion up to 3 times
- Contains no volatile solvents
- Very high strength with no creep
- Very low viscosity for permeation into tight soils
- Controlled reaction time

Packaging & Handling

- Soil PURE: 5 gallon metal pail
50 gallon metal drum
- Soil Cat PURE: 25 oz. metal cans

Soil PURE is sealed under dry nitrogen because it is sensitive to moisture, and should be stored in original containers in a dry area. Storage temperature must be between 40°F and 90°F. Once the packaging has been opened, the useful life of the material is greatly reduced and should be used as soon as possible. Shelf life: 2 years.

Reaction Times

T	% Cat	End Reaction	Foam Factor
40°F	0.5	14'30"	1V
	1.0	6'30"	2V
	1.5	5'00"	3V
	2.0	4'10"	3V
	2.5	2'46"	3V
50°F	0.5	12'06"	1V
	1.0	5'30"	2V
	1.5	4'30"	3V
	2.0	3'40"	3V
	2.5	2'40"	3V
60°F	0.5	11'30"	1V
	1.0	5'00"	2V
	1.5	4'00"	3V
	2.0	3'10"	3V
	2.5	2'30"	3V
68°F	0.5	10'50"	1V
	1.0	4'50"	2V
	1.5	3'50"	3V
	2.0	2'50"	3V
	2.5	2'20"	3V
77°F	0.5	8'46"	3V
	1.0	4'30"	3V
	1.5	3'25"	3V
	2.0	2'30"	3V
	2.5	2'06"	3V
86°F	0.5	8'00"	3V
	1.0	4'20"	3V
	1.5	3'05"	3V
	2.0	2'20"	3V
	2.5	2'00"	3V
95°F	0.5	7'35"	3V
	1.0	3'50"	3V
	1.5	3'05"	3V
	2.0	2'10"	3V
	2.5	1'56"	3V

CAUTION: pH NOTICE. Water used to activate PURE Grouts must be in the pH range of 3-10 for optimum foam quality.

www.deneef.com

Technical Service 1-800-732-0166

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.-Conn., 62 Whittemore Avenue, Cambridge, MA 02140.

In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending.

DN-XXX

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12/11 FA/PDF

Installation Guidelines

Warning: Consult the Technical Data Sheets and MSDS before using.

Installation Instructions: For detailed installation instructions refer to the DeNeef technical bulletin for your application.

Catalyst: Shake catalyst can 2-3 minutes. Pour the desired amount of Soil PURE into a clean dry pail. Measure the appropriate amount of Soil Cat PURE (refer to the **Reaction Times** section of this data sheet for the desired set time) and pour it into the pail. Stir until adequately mixed. Exceeding the recommended amount of catalyst may adversely affect the reaction and quality of the cured foam.

Injection: During injection the grout will follow the path of least resistance. When the material has stopped penetrating it will continue to expand against the limits of the confined space and compress within itself, forming a dense, open cell foam.

Extreme conditions: For application procedures in extreme temperatures and specific environments or equipment recommendations call the DeNeef Technical Service Department.

Cleaning: Clean all tools and equipment which have been in contact with the resin with DeNeef Washing Agent before resin has cured. Products should be disposed of according to local, state, and federal laws.

Health and Safety

Always use protective clothing, gloves and goggles consistent with OSHA regulations. Avoid eye and skin contact. Do not ingest. Refer to MSDS. For emergencies, call CHEMTREC 1-800-424-9300.

Limitations

Low temperatures will significantly affect viscosity. If site temperatures are extremely low, heat bands or heated water baths may be used on the pails before and during installation to maintain the product's temperature. Avoid splashing water into open containers, as the material is water activated. Avoid exceeding 90°F when warming.

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GRACE

