

**BID  
ADDENDUM NO. 2  
TO  
CONTRACT DOCUMENTS  
AND  
TECHNICAL SPECIFICATIONS  
FOR  
PHYSICAL EDUCATION DEPARTMENT RENOVATIONS  
AT  
WESTLAKE HIGH SCHOOL  
AT  
825 WEST LAKE DRIVE  
THORNWOOD, NY 10594  
NYSED #66-08-01-06-0-005-020**

Mount Pleasant Central School District  
825 West Lake Drive  
Thornwood, NY 10594

Telephone No. 914-769-5500

Contact: Dr. Kurtis Kotes,  
Superintendent of Schools

**LAN Job #4.1449.08**  
January 18, 2021

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Michael J. McGovern, RA  
NYS #022257

1.0 General: The original contract documents dated **July 9, 2020** issued to the New York State Education Department for this project are hereby amended as noted in this addendum which shall become part of said contract documents, as if originally included therein. Bidders must acknowledge receipt of this addendum and all other addenda on the proposal form when submitting proposals. In case any bidder fails to acknowledge receipt of addenda, his proposal will nevertheless be construed as though it has been received, acknowledged, and the submission of his proposal shall constitute acknowledgment by the bidder of the receipt of same.

**Note that there will be a Zoom virtual pre-bid conference on Tuesday, January 19, 2021 at 3:00 p.m. Please refer to Addendum No. 1 for information.**

Note that the bid due date and time shall be **Thursday, January 28, 2021 at 3:00 p.m.**

2.0 Amendment to Application:

N/A

3.0 Amendments to Specifications:

Section No.	Page No.	Addendum Requirements
TOC		The Table of Contents has been revised to include Specification Section 099656 – Epoxy Coating
099656	All	Specification Section 099656 – Epoxy Coating has been added.

4.0 Amendments to Drawings:

Drawing No.	Addendum Requirements
N/A	

5.0 Requests for Information (RFIs):

No.	Comment / Response
1	<p>Comment: Please provide the fire alarm vendors information.</p> <p>Response: Open Systems Metro; Sean Werlan – 914-640-9314 or Tom DiMarino – 914-329-9100</p>
2	<p>Comment: Please provide the pa/clock vendor information.</p> <p>Response: Dutchess Tel Audio; Bill Keeshan – 917-715-0336</p>
3	<p>Comment: On Interior Finish Schedule on drawing A6.12 there are many walls to be Epoxy. Please provide specs.</p> <p>Response: Section 099656 (Epoxy Coating) is added to the specification.</p>

6.0      Substitution Requests:

Specification Section No. /  
Drawing No.

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105113	Metal Lockers	Approved Equal:	LockersMFG All-Welded LockersMFG PO Box 517 Collierville, TN 38027 T. 901-367-3930
A7.00	Interior Elevation Schedules Toilet Fixture & Accessory Schedule	Approved Equal:	Speedflow Plus, Model M17ACS-UL Saniflow Corp. 3325 NW 70 <sup>th</sup> Avenue Miami, FL 33122 T. 305-424-2433
A7.00	Interior Elevation Schedules Toilet Fixture & Accessory Schedule	Approved Equal:	BabyMedi, Model CP0016H Saniflow Corp. 3325 NW 70 <sup>th</sup> Avenue Miami, FL 33122 T. 305-424-2433

7.0      Clarifications:

No.

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N/A

END OF ADDENDUM NO. 2

Attachments:    #1 - Revised Table of Contents  
                      #2 - Added Specification Section 099656

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## SECTION 09 96 56 - EPOXY COATING

### PART 1 – GENERAL

#### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### 1.02 SUMMARY

- A. This section includes the following:
  - 1. Epoxy wall coating system as shown on the drawings and in schedules.
- B. Related sections include the following:
  - 1. Concrete Unit Masonry, section 04 22 00
  - 2. Gypsum Board, section 09 29 00

#### 1.03 SYSTEM DESCRIPTION

- A. The work shall consist of preparation of the substrate, the furnishing and application of an epoxy-based wall coating system, with fiberglass reinforcing and urethane topcoats. The system shall have the color and texture as specified by the Owner with a nominal thickness of 42 mils. It shall be applied to the prepared area(s) as defined in the plans strictly in accordance with the Manufacturer's recommendations.

#### 1.04 SUBMITTALS

- A. Product Data: Latest edition of Manufacturer's literature including performance data and installation procedures.
- B. Manufacturer's Material Safety Data Sheet (MSDS) for each product being used.
- C. Samples: A 3 x 3 inch square sample of the proposed system. Color, texture, and thickness shall be representative of overall appearance of finished system subject to normal tolerances.

#### 1.05 QUALITY ASSURANCE

- A. The Manufacturer shall have a minimum of 10 years experience in the production, sales, and technical support of epoxy and urethane industrial flooring and related materials.
- B. The Applicator shall have experience in installation of the flooring system as confirmed by the manufacturer in all phases of surface preparation and application of the product specified.
- C. No requests for substitutions shall be considered that would change the generic type of the specified System.
- D. System shall be in compliance with requirements of United States Department of Agriculture (USDA), Food, Drug Administration (FDA), and local Health Department.
- E. System shall be in compliance with the Indoor Air Quality requirements of California section 01350 as verified by a qualified independent testing laboratory.
- F. A pre-installation conference shall be held between Applicator, General Contractor and the Owner to review and clarification of this specification, application procedure, quality control, inspection and acceptance criteria and production schedule.

## 1.06 PRODUCT DELIVERY, STORAGE, AND HANDLING

### A. Packing and Shipping

1. All components of the system shall be delivered to the site in the Manufacturer's packaging, clearly identified with the product type and batch number.

### B. Storage and Protection

1. The Applicator shall be provided with a storage area for all components. The area shall be between 60 F and 90 F, dry, out of direct sunlight and in accordance with the Manufacturer's recommendations and relevant health and safety regulations.
2. Copies of Material Safety Data Sheets (MSDS) for all components shall be kept on site for review by the Engineer or other personnel.

### C. Waste Disposal

1. The Applicator shall be provided with adequate disposal facilities for non-hazardous waste generated during installation of the system.

## 1.07 PROJECT CONDITIONS

### A. Site Requirements

1. Application may proceed while air, material and substrate temperatures are between 60 F and 90 F providing the substrate temperature is above the dew point. Outside of this range, the Manufacturer shall be consulted.
2. The relative humidity in the specific location of the application shall be less than 85% and the surface temperature shall be at least 5 F above the dew point.
3. The Applicator shall ensure that adequate ventilation is available for the work area.
4. The Applicator shall be supplied with adequate lighting equal to the final lighting level during the preparation and installation of the system.

### B. Conditions of substrate to be coated with epoxy material.

1. Concrete shall be cured for a minimum of twenty-eight days prior to the application of the coating system.
2. Block wall mortar joints have cured no less than 7 days under good conditions.
3. Sealers and curing agents should not be used.
4. Drywall shall be completely clean and free of any oils, soap residue, and gypsum dust and prepared to a #4 to #5 finish.

### C. Safety Requirements

1. All open flames and spark-producing equipment shall be removed from the work area prior to commencement of application.
2. "No Smoking" signs shall be posted at the entrances to the work area.
3. The Owner shall be responsible for the removal of foodstuffs from the work area.
4. Non-related personnel in the work area shall be kept to a minimum.

## 1.08 WARRANTY

- A. Manufacturer shall warrant that material shipped to buyers at the time of shipment substantially free from material defects and will perform substantially to manufacturer published literature if used in accordance with the latest prescribed procedures and prior to the expiration date.

- B. Manufacturer's liability with respect to this warranty is strictly limited to the value of the material purchase.

## PART 2 – PRODUCTS

### 2.01 COATING

- A. Dur-A-Flex, Inc, Dur-A-Wall HPF, epoxy seamless wall system with urethane topcoat
1. System Materials:
    - a. Base Coat and Grout Coats: Dur-A-Flex, Inc, Dur-A-Gard No Sag resin and hardener.
    - b. Fiberglass: Dur-A-Flex, Inc, PMG fiberglass mat
    - c. Topcoats: Dur-A-Flex, Inc. Dur-A-Wall HP Top Coat
  2. Patch Materials
    - a. Shallow Fill and Patching: Use Dur-A-Flex, Inc. Dur-A-Glaze #4 Cove Rez.

### 2.02 MANUFACTURER

- A. Basis of Design: Dur-A-Flex, Inc., 95 Goodwin Street, East Hartford, CT 06108, Phone: (860) 528-9838, Fax: (860) 528-2802
- B. Architect Approved Equal.

### 2.03 PRODUCT REQUIREMENTS

A	Base Coat, Grout Coat	Dur-A-Gard No Sag
1.	Percent Solids	100 %
2.	VOC	0 g/L
3.	Compressive Strength, ASTM D 695	16,000 psi
4.	Tensile Strength, ASTM D 638	3,800 psi
5.	Flexural Strength, ASTM D 790	4,000 psi
6.	Abrasion Resistance, ASTM D 4060 C-10 Wheel, 1,000 gm load, 1,000 cycles	35 mg loss
7.	Flame Spread/NFPA-101, ASTM E 84	Class A
8.	Flammability, ASTM D 635	Self Extinguishing
9.	Impact Resistance MIL D-3134	0.025 inch Max
10.	Water Absorption. MIL D-3134	0.04 %
11.	Potlife @ 70 F	20-25 minutes
B.	Top Coat	Dur-A-Wall HP Topcoat
1.	VOC	0 g/L
2.	Impact resistance, ASTM D 2794	140 in. lbs.
3.	Abrasion resistance, ASTM D4060 CS 17 wheel (1,000 g load) 1,000 cycles	84 mg loss (matte) 68 mg loss (eggshell) 74 mg loss (satin)
4.	MEK Rubs	>2,000 no gloss change
5.	Flame spread ASTM E84/NFPA-101	Class A
6.	Pot life @ 70° F 50% RH	>2 hours
7.	Dry properties, 70°F, 50% R.H.	16 - 24 hours
8.	Full chemical resistance	7 days (VHP 14 days)

## PART 3 – EXECUTION

### 3.01 EXAMINATION

- A. Examine substrates, areas and conditions, with Applicator present, for compliance with requirements for maximum moisture content, installation tolerances and other conditions affecting coating performance.
  - 1. Verify that substrates and conditions are satisfactory for installation and comply with requirements specified.

### 3.02 PREPARATION

- A. General
  - 1. New and existing concrete surfaces shall be free of oil, grease, curing compounds, loose particles, moss, algae growth, laitance, friable matter, and dirt.
  - 2. There shall be no visible moisture present on the surface at the time of application of the system.
  - 3. Remove loose mortar spatter, joint compounds etc.
  - 4. Create a surface profile on concrete with sandblasting apparatus and/or dust-free diamond grinders.
  - 5. Masonry block shall be clean, dry and coated with a high solids block filler.
  - 6. Drywall shall be completely clean and free of any oils, soap residue, gypsum dust etc. and primed with Dur-A-Flex, Dur-A-Wall HP Gripper Primer.

### 3.03 APPLICATION

- A. General
  - 1. The system shall be applied in four distinct steps as listed below:
    - a. Substrate preparation
    - b. Priming
    - c. Base coat application with fiberglass mat
    - d. Grout coat application
    - e. Topcoat applications
  - 2. The handling, mixing and addition of components shall be performed in a safe manner to achieve the desired results in accordance with the Manufacturer's recommendations.
  - 3. The system shall follow the contour of the substrate.
  - 4. A neat finish with well-defined boundaries and straight edges shall be provided by the Applicator.
- B. Priming
  - 1. Prime drywall using Dur-A-Wall HP Gripper Primer.
- C. Base Coat
  - 1. The base coat shall be comprised Dur-A-Gard No-Sag resin, and hardener.
  - 2. The resin shall be added to the hardener and thoroughly mixed by suitably approved mechanical means.
  - 2. The base coat shall be applied by a roller at the rate of 300 sf/gal to yield a dry film thickness of 6 mils.

3. Hang semi-rigid fiberglass mat directly into wet epoxy resin so that seams are uniform and even per Manufacturers instructions.
4. Apply another coat to saturate mat.

D. Grout Coat

1. The grout coat shall be comprised of Dur-A-Gard No-Sag resin, and hardener.
2. The resin shall be added to the hardener and thoroughly mixed by suitably approved mechanical means.
3. The grout coat shall be applied by a roller at the rate of 100 sf/gal to yield a dry film thickness of 16mils.

E. Topcoats

1. The top coats shall be comprised of two components: a resin and hardener as supplied by the Manufacturer.
2. The hardener shall be added to the resin and thoroughly mixed by suitably approved mechanical means.
3. The top coat shall be applied by roller or brush at the rate of 400 sf/gal to yield a dry film thickness of 4 mils.
4. Repeat steps 1 through 3.
5. The finish coating will have a nominal thickness of 42 mils.

3.04 FIELD QUALITY CONTROL

A. Tests, Inspection

1. The following tests shall be conducted by the Applicator:
  - a. Temperature
    1. Air, substrate temperatures and, if applicable, dew point.
  - b. Coverage Rates
    1. Rates for all layers shall be monitored by checking quantity of material used against the area covered.

3.05 CLEANING AND PROTECTION

- A. Cure material in compliance with manufacturer's directions, taking care to prevent their contamination during stages of application and prior to completion of the curing process.
- B. Remove masking. Perform detail cleaning to leave cleanable surface for subsequent work of other sections.

END OF SECTION 099656