



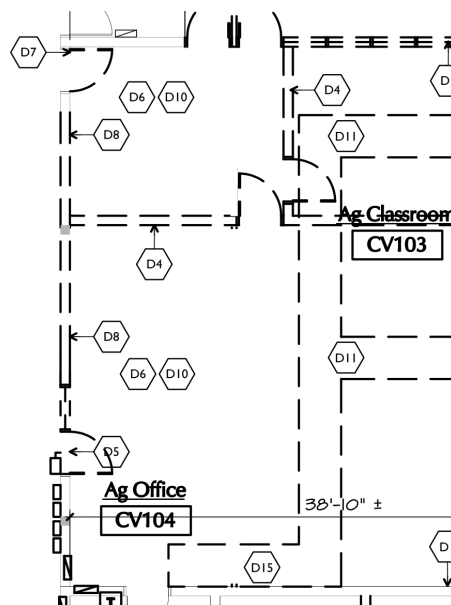
## Addendum No. I

**Project:** West Washington Advanced Manufacturing Lab  
**Subject:** Addendum No. I  
**Date:** January 24, 2018

**Project No.:** 1720.01

This addendum is a part of the bid documents. Acknowledge receipt on the proposal form.

1. The Pre-Bid Meeting Minutes are included as a part of this addendum.
2. Specifications Section 01510 Temporary Utilities: Clarification - Contractor may use existing electrical outlets for temporary power and existing water spigots for temporary water. Owner will pay all utility bills for their existing utility services.
3. Specifications Section 07840 Firestopping: Delete this section in its entirety. There are no rated assemblies within the project area.
4. Specifications Section 08710: Under Hardware Set No. 4, all hardware except the cylinder is provided under Section 10605. Cylinder & core provided under Section 08710.
5. Specification Section 09510 Acoustical Ceilings: USG Eclipse Illusion Two/24/SLT is an acceptable ceiling panel, and USG DX is an acceptable suspension system.
6. Specifications Section 09720 - Dry Erase Wallcoverings is included as a part of this addendum.
7. Specifications Section 09984 Decorative Flake Epoxy Floor Coating: Under Part 2 - Products, change the product from Sherwin Williams Ceramic Carpet to Sherwin Williams Decorative Mosaic Epoxy Coating System with primer coat, base coat with vinyl chips broadcast, grout coat and seal coat,. See attached product data sheet. Equivalent systems from PPG (Amerlock 2) and Tennant Coatings (1/8" Full Flake double broadcast) are also acceptable.
8. Specifications Section 10100 Visual Display Boards: Delete this section in its entirety.
9. Specifications Section 10191 Welding Curtains & Tracks: Provide all-thread and unistrut as required to hang curtain tracks from existing exposed structure.
10. Specifications Section 10605 Wire Mesh Partitions: Under Part 2.01 Tool cage construction is to be Style 840 Tool Crib, as manufactured by Wirecrafters, Louisville, KY 800-924-9472, [www.wirecrafters.com](http://www.wirecrafters.com). Provide type SB4-ADA compliant lever latchset.
11. Drawing A001: In Classroom #CV112: the existing west masonry wall with keynote D8 is to be demolished full height.
12. Drawing A001: At Classroom #CV112, the masonry being demolished at Storage Room #113 to create an opening for Door CV113B, will need to have steel angles installed at the header, similar to detail 3/A801.
13. Drawing A001: At the area of Ag Classroom #CV103, there is a set of double lines that extend south to the wall near Electrical #CV105. These are a printing error. The correct image appearance is shown below (not to scale):





## **Addendum No. I**

14. Drawing A001: At the walls being moved in the area of Ag Classroom CV103 and Storage CV102, the existing wood mezzanine is also to be removed in its entirety.
15. Drawing A001: At Ag Classroom CV103, remove the existing wash sink and fire extinguisher cabinet on the west wall shown to be demolished. Keynote D20 applies to the existing sink in this area. The piping will need to be removed and capped in a concealed location.
16. Drawing A001: At the area in Ag Classroom CV103 near Tool Cage CV107, the existing air compressor will be removed by the Owner. Contractor to remove existing air piping and electrical conduits mounted to the wall that is being removed.
17. Drawing A001: At Healthcare Classroom CV101 and Drafting CV110, the existing terrazzo floor is to remain. Protect from damage as required.
18. Drawing A001: At Healthcare Classroom CV101, at the south wall of this room, existing masonry is to remain. Existing windows, doors and frames are to be removed and the openings are to be infilled with masonry.
19. Drawing A001 and A002: At two locations on the wall between the new lab and Concourse HG-101A, two transoms above doors are being removed that extend to a height of approximately 9'-0" and have a width of approximately 6'-0". These transom openings will need to be infilled with masonry to match the existing wall.
20. Drawing A101. Delete General Plan Notes 4, 5 and 6.
21. Drawing A101: At the area between Storage #CV102, and Ag Classroom CV103, the existing masonry wall which is only 9'-4" high will need to be extended to the deck, along with the new walls.
22. Drawing A101: Welding booths should be 4'-2" wide. Tool Cage will be 15'-2" wide. Verify dimension requirements at the welding booth with welding booth equipment. See Specification Section 11550.
23. Drawings A801: Door CV107 size should be 4'-0" x 8'-0" nominal size, as indicated on I/A901.
24. Drawing A801: Window Elevation A2: The 1'-4" dimension should be 2'-0". The 6'-8" should be 7'-0". Provide an 8" x 8" x 18 gage metal stud box beam header above the window with 5/8" gypsum board on all three exposed sides of the box beam to create a drywall cased opening at the ceiling line. Brace and support the box beam header with metal stud bracing at 4'-0" o.c.
25. Drawing A801: Door 106A should be Door Elevation 2, and Frame Elevation A4.
26. Drawing A801: The security film specified in Section 08800 is to be provided at Windows A4, A5, and A6, and Door Type A1 (Doors HG101A, B, C & D).
27. Drawing I-101: At Drafting #CV110, Paint type PT1 need only extend to the line of the ceiling, and need not extend to the roof deck. Paint on the other side of this wall will need to extend to the deck.
28. Drawing I-101: Owner will perform all painting in Concourse HG-101A.
29. Drawings A/901: Wire cage construction detailed on I/A901 to be equivalent to Wirecrafters Style 840 Tool Crib, as indicated elsewhere in this addendum.
30. Drawing P101: The new access panel will need a 3-1/2" x 3-1/2" x 5/16" galvanized steel angle brick lintel.
31. Drawing E101: Clarification - the intent is to reuse existing lighting circuits at Panel H2, and convenience receptacle circuits at Panel L2.
32. Drawing E201: Remove and relocate an existing horn/strobe as required. The existing device is located near door CV106A, mounted to the wall at Concourse HG-101A where Window #A3 is being added. Surface mount wire mold may be used, routed from the existing junction box above the device.
33. Drawing M101: Clarification of Detail I/M101 - This detail is typical of three booths, except there is only one in-line fan with a single penetration for the exhaust duct. The intent is to reuse the existing exterior wall opening at this location.

## **End of Addendum No. I**

enclosures: Pre-Bid meeting minutes; Specification Section 09720, Epoxy floor cut sheet.

file: 1720.01 / E-1





## PRE-BID MEETING AGENDA

**Project:** West Washington 2018 Advanced Mfg Lab.      **Project No.:** 1720.01  
**Subject:** Pre-Bid Meeting      **Date:** January 18, 2018  
**Location:** West Washington High School  
**Participants:** See Sign-In Sheet

### I. General and Clerical Issues

1. Project Description: Interior renovations to convert the existing wood shop and a portion of the existing ag shop into an advanced manufacturing lab, a new ag classroom, and associated renovation as shown on the bid documents.
2. Confirmation of Bid Date & Bid Procedures
  - A) Bid Date: January 30, 2018 at 4:00 PM
  - B) Bid must include:
    - 1) Proposal Form Parts I & II
    - 2) Financial Statement
    - 3) Bid Security (Bond or Certified Check)
    - 4) Acknowledge Addenda on Proposal Form
  - C) Subcontractor List & Schedule of Values not required with bid (submit within 24 hours upon request).
  - D) Public Works Requirements
    - 1) Certification by IDPW prior to beginning work on site (see spec 00305).
    - 2) Drug testing and employment verification per statute (see spec 00305)
  - E) Sales tax exempt (Indiana sales tax)
3. Explanation of Alternate Bids.
  - A) Alternate 1: Cafeteria Doors
  - B) Alternate 2: Classroom #CV112

### II. Scheduling and Coordination

1. Working Conditions & Special Issues
  - A) Staging Area / Trailer location - grass area directly east of the existing ag shop.
  - B) Work in occupied areas / Coordination with Owner
  - C) Fire exiting - do not obstruct exits.
2. Construction Schedule Substantial Completion: August 1, 2018 (See spec 01110)

### III. Administrative Issues

1. Post-bid Schedule: Board meeting January 31, 2018.
2. Mobilization & Startup: Contractor will have access during Spring Break (March 26-30), and beginning with summer recess on May 29. The summer recess date is firm regardless of snow days.
3. Possible Addenda Items we discussed.
4. All Addenda will be posted on the KHA Planroom ([koverthawkins.com/bid-information](http://koverthawkins.com/bid-information))

### IV. Technical Issues

1. A tour of the space was conducted after the meeting.  
file: 1720.01 / E-1

SECTION 09720 – PRESENTATION DRY ERASE WALLCOVERING

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Presentation dry erase wallcovering installed over drywall surfaces where indicated on the Drawings.
- B. Presentation dry erase wallcovering accessories where indicated on the Drawings and as specified herein.

1.02 QUALITY ASSURANCE

- A. Installer: A firm specializing in wallcovering work with not less than three years of experience.
- B. Deliver materials to project site in original packages or containers clearly labeled to identify manufacturer, brand name, quality or grade and fire hazard classification.
- C. Store materials in original undamaged packages or containers. Do not store rolled goods in upright position. Maintain temperature in storage area above 40°F.
- D. Illuminate areas of installation using building's permanent lighting system; temporary lighting alone will not be acceptable.

1.03 SUBMITTALS

- A. Product Data:
  - 1. Manufacturer's product data sheets, cutsheets, specifications and installation instructions.
- B. Samples:
  - 1. Full range of samples for Architect's selection.
- C. Certification:
  - 1. Manufacturers shall submit to Architect upon request, a certificate of compliance that wallcovering used meets specification and modifications outlined herein.

1.04 WARRANTY

- A. Manufacturer's 5-year warranty against defects.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. "Koroseal", "Walltalkers"
- B. "DL Couch", Dry Erase

2.02 MATERIAL - OVER DRYWALL SURFACES (Dry Erase Writing / Projection Screen)

- A. "Walltalkers", "Matte-rite" (50% projection/ 50% dry erase), MP50 or MP60.
- B. Description:
  - 1. Pigmented, smooth, vinyl-capped with dry erase film.
  - 2. Color: Matte White.
  - 3. Surface Gloss: Low.
  - 4. Backing: Non-woven.
  - 5. Weight: 25 ounces per square yard.

6. Width: 50 inch width or 60 inch width. Provide width as indicated on the Drawings. If not indicated on the Drawings, provide 60 inch width.

- C. Fire Hazard Classification Results:
1. Tested per ASTM E-84 Tunnel Test.
  2. Class "A" Fire Rated.
  3. Flame Spread: 0-25.
  4. Smoke Developed: 0-25.

### 2.03 ADHESIVE

- A. Heavy-duty, pre-mixed strippable clear or clay based.
- B. For use on glue-down application to drywall surfaces.

### 2.04 ACCESSORIES

- A. Marker Tray:
1. Provide aluminum tray along entire bottom edge, unless indicated otherwise on Drawings.
  2. Nominal 2-3/4" wide x 2-1/2" depth ribbed top profile with sloped bottom surface.
  3. Provide 1/4" plastic end cap at all exposed marker tray ends.
  4. Clear satin color.
- B. Tack Rail:
1. Provide continuous aluminum tack rail along entire top edge, unless indicated otherwise on Drawings.
  2. Nominal 1" depth with tackable surface inset.  
Tack strip color to be selected from manufacturer's entire standard selection.
  3. Provide one (1) flag holder per room.
  4. Provide one (1) hook/clip per every one foot of tack rail.
  5. Clear satin color.
- C. Trim:
1. Provide j-cap trim on all exposed edges, unless indicated otherwise.
  2. Not required at edges that abut along a finished wall or casework surface.
  3. 1/16" aluminum.
  4. Clear satin color.
- D. Starter Kit:
1. Provide one starter kit for each room where dry erase wallcovering is installed.  
Kit to include:
    - a. 8 dry erase markers.
    - b. 2 felt erasers.
    - c. 10 cleaning towels.
    - d. 8 oz. spray bottle of liquid surface cleaning solution.

## PART 3 - EXECUTION

### 3.01 PREPARATION

- A. Acclimatize wallcovering by removing from packaging in area of installation not less than 24 hours before application.

- B. Clean surface to receive wall covering per manufacturer's instructions for type of substrate.
- C. Prime surfaces using a pigmented acrylic wallcovering primer.

3.02 INSTALLATION

- A. Read and follow the instructions in the manufacturer's installation sheet contained in each roll of the dry erase wallcovering.
- B. Install each strip in the same sequence as cut from the roll.
- C. When covering entire wall, seam the material out of main writing and viewing areas.
- D. Using a soft natural sponge or lint free towel, lightly dampen the surface to be covered. Dampen seam areas more.
- E. Smooth wall covering to the hanging surface using a wallcovering smoother, wrapped with a soft cloth, or hands using a downward and outward motion to eliminate air bubbles, wrinkles, gaps and overlaps.
- F. Stop installation of material that is questionable in appearance and notify the manufacturer's representative for an inspection.
- G. Smooth all air bubbles from surface.

3.03 ADJUST AND CLEAN

- A. Clean wallcovering of all stains, marks and adhesives wash with warm mild soap solution, rinse thoroughly and dry with clean towel.
- B. Remove surplus materials, rubbish, and debris resulting from wallcovering installation upon completion of work, and leave areas of installation in neat, clean condition.

SUBMITTAL CHECK LIST

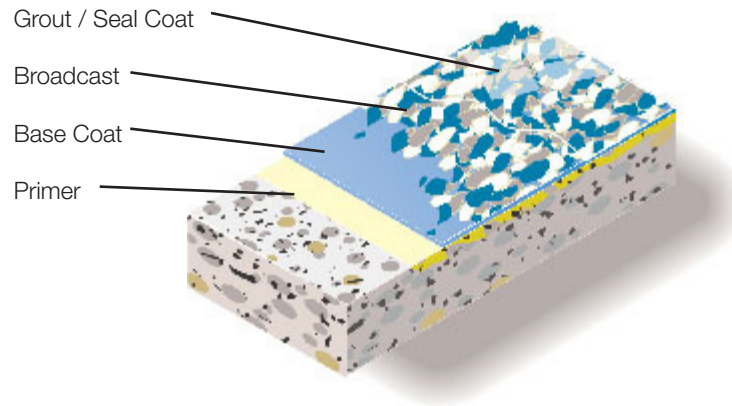
- 1. Product Data.
- 2. Samples.
- 3. Certification.

END OF SECTION 09720



# DECORATIVE MOSAIC EPOXY COATING SYSTEM

**General Polymers DECORATIVE MOSAIC EPOXY COATING SYSTEM** is a mosaic pattern floor covering. These vinyl chips are incorporated in a clear or pigmented epoxy and sealed with a clear, high gloss, polyurethane finish. Its innovative base chemistry also provides tough chemical resistant protection.



**20-30 mils**

## Advantages

- Aesthetically pleasing appearance
- Limitless color options
- Seamless
- Chemical and stain resistant
- High gloss finish

## Uses

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceuticals
- Office buildings
- Locker and restrooms
- Cafeterias

## Typical Physical Properties

Color	Custom Color Blends Available
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	63 mgs lost
Flexural Strength ASTM C 580	10,000 psi
Adhesion ACI 503R	300 psi concrete failure
Flammability	Self-Extinguishing over concrete
Impact Resistance MIL-D-3134J	Direct, inch pound greater than 160, passes Reverse, inch pound greater than 80, passes
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

ASTM C = Mortar System  
ASTM D = Resin only

## Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the **DECORATIVE MOSAIC EPOXY COATING SYSTEM**. Contact the Technical Service Department for assistance prior to application.

## Surface Preparation – General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

## Surface Preparation – Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Technical Service Department.

## Temperature

Throughout the application process, substrate temperature should be 50°F – 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

## Application Information – Surface Prep Profile CSP 1-3

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	<b>Primer</b>	3579	2:1	200-300 sq. ft./gal	3 or 15 gals
<100 g/L 0	<b>Body Coat</b>	3746 6750/6755	2:1 To Excess	200-300 sq. ft./gal 100-200 lbs / 1,000 sq. ft.	3 or 15 gals 25 lbs.
<100 g/L	<b>Grout Coat</b>	3746	2:1	160-250 sq. ft./gal	3 or 15 gals
<250 g/L	<b>Seal Coat</b>	4686	1:1	250-400 sq. ft./gal	2 or 10 gals

For additional topcoat options consult the General Polymers Topcoat Selection Guide, or contact your Sherwin Williams representative.



## Primer

### Mixing and Application

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

2. 3579 may be applied via spray, roller or brush. Apply at a spread rate of 200-300 sq. ft. per gallon, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.

3. 3579 application varies upon usage.

NOTE: Epoxy materials may tend to blush at the surface especially in humid environments. After the surface is primed and before installation of each subsequent coat, surface must be examined for blush (a whitish greasy film and/or low gloss). The blush must be completely removed prior to recoating using warm detergent water or through solvent wipe.

Epoxy materials will appear to be cured and dry to touch prior to full chemical cross linking. Allow epoxy to cure for 2-3 days prior to exposure to water or other chemicals for best performance.

## Base Coat

### Mixing and Application

1. Premix 3746A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3746 using a squeegee or trowel and back roll with a 1/4" nap roller at a spread rate of 200-300 square feet per gallon making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

4. Allow material to self-level 10-15 minutes. Begin evenly broadcasting 6750/6755 Vinyl Chips into wet resin much the same as grass seed is spread. Vinyl Chips should be broadcast in such a way that the chips falls lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

5. Allow to cure for 12 hours, sweep off excess vinyl chips with a stiff bristled broom.

## Grout Coat

### Mixing and Application

1. Premix 3746A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3746 using a squeegee or trowel and back roll with a 1/4" nap roller at a spread rate of 160-250 square feet per gallon making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

4. Allow to cure (Cure times vary depending on environmental conditions) before applying seal coat.

## Seal Coat

### Mixing and Application DO NOT PREMIX PART B HARDENER

1. Premix 4686A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 1 part 4686A (resin) to 1 part 4686B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 4686 using a 1/4" nap roller at a spread rate of 250-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

4. Allow to cure 24 hours minimum before opening to light foot traffic.

5. If a second seal coat is required, lightly sand and wipe clean prior to coating.

## Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## Safety

Refer to the MSDS sheet before use. federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

## Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) (10°C - 32°C), and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

## Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

## Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult [www.generalpolymers.com](http://www.generalpolymers.com) to obtain the most recent Product Data information and Application instructions.

## Warranty

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



### To learn more, visit us at

[www.sherwin-williams.com/protective](http://www.sherwin-williams.com/protective)  
or call 1-800-524-5979  
to have a representative contact you.