

**MURRAY / ARCHITECTS**

131 Ormond Center Court  
Destrehan, LA 70047  
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**F A C S I M I L E**

TO:	ALL PLAN HOLDERS
COMPANY:	
FAX NUMBER:	

FROM:	MICHAEL TABB
REFERENCE:	HARRY HURST MIDDLE SCHOOL WING ADDITION
DESCRIPTION:	ADDENDUM NO. 6

NUMBER OF PAGES: (Incl. Cover)	6
DATE SENT:	8/5/10

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, OR YOU RECEIVED THIS TRANSMISSION IN ERROR, PLEASE CALL **985-764-7275**

Harry Hurst Middle School  
Wing Addition  
Addendum No. 6  
August 5, 2010

## ADDENDUM NO. 6

**PROJECT:** HARRY HURST MIDDLE SCHOOL  
NEW WING ADDITION  
170 ROADRUNNER LANE  
DESTREHAN, LA 70047

**Date of Addendum:** August 5, 2010

**Mandatory Pre-Bid Date:** July 20, 2010

**REVISED Bid Date:** August 10, 2010, 2:00 p.m.

### General

1. There are no joints required within the concrete slab.
2. The Contractor shall provide six (6) exist signs shown in Detail E-9/A.7.6 and six (6) evacuation route signs as shown on Detail A-5/A.7.6.

### Drawings

1. Sheet C.1.3 issued on Addendum No. 5. Please disregard the relocation and/or installation of new water and sewer lines shown.

### Questions and Answers:

1. Specification Section 03 3300 (Cast-In-Place Concrete) Part 2.1.C lists fiberboard carton forms for creating void areas. Please confirm that carton forms are not required for the slab.

*The Contractor shall provide carton forms to provide voids for structural steel and building footprint per the contract documents.*

2. Sheet A.1.1, General Note #3, what fixtures are provided by owner? Plumbing, electrical, etc?

*The owner shall only provide bathroom accessory as indicated within the specification.  
The Contractor to provide and install all other fixtures within this project.*

### Prior Approvals

1. Section 09 6723 – Resinous Flooring. Please see attached Substitution Request Form approving Crossfield Products Dex-O-Tex Bio-Tex QFH.

SECTION 01 2531 - SUBSTITUTION REQUEST FORM

REC 2/3/10

To: Murray Architects  
131 Ormond Center Court  
Destrehan, LA 70047

Project: Harry Hurst Middle School Wing  
Addition

From: GENE STOLTZ

Date: 8.3.10

Specified Item: 096723 ADDENDUM 2 RESINOUS FLOORING + BASE  
(Section No.) (Page No.) (Paragraph) (Description)

We believe that the following product is equal or superior to the specified product in appearance, durability, performance, and in every other respect, and we hereby submit it for your consideration as a substitute for the specified item for the above-mentioned project:

A. Proposed Substitution: CROSSFIELD PRODUCTS DEX-O-TEX  
BIO-TEX QFH

B. Reason for Substitution: COMPETITIVE BIDDING

C. COSTS (Construction Phase Only - Provide complete breakdown of costs including the cost amount to be DEDUCTED from the Contract Sum if the proposal substitution is accepted. Include documentation for both materials and labor: \_\_\_\_\_

D. SCHEDULE (Construction Phase Only - Describe substitution's affect on construction schedule): \_\_\_\_\_

E. Supporting Data:

1. Cut sheets: Attach complete technical data, including laboratory tests, if applicable.
2. Installation: Include complete information on changes to Drawings and/or Specifications describing the steps that the proposed substitution will require for its proper installation.
3. Samples: Submit with request all necessary samples and substantiating data clearly marked to prove equal quality and performance to that which is specified.

F. List ways in which the proposed substitution affects dimensions shown on Drawing: NONE

G. List effects of proposed substitution on other trades: NONE

H. List ways in which proposed substitution would be affected by applicable code requirements and agency approval: NONE

I. List differences between proposed substitution and specified item: SAME  
TYPE SYSTEM

J. Manufacturer's warranties of the proposed and specified items Same  Different \_\_\_\_\_  
Explain: \_\_\_\_\_

K. List information on availability of maintenance service and source of replacement materials: INSTALLING CONTRACTOR

L. Certification of, and Assumption of Liability for, Equivalent Performance: The undersigned states that the function, appearance, and quality of the proposed substitution is equivalent or superior to the specified item and is in full compliance with the Contract Documents and applicable regulatory requirements **NOTARIZATION IS REQUIRED FOR SUPPLIER DURING BIDDING PHASE. NOTARIZATION IS REQUIRED FOR BOTH SUPPLIER AND CONTRACTOR DURING CONSTRUCTION PHASE.** FAILURE TO PROVIDE DESIGNED AND NOTARIZED SUBSTITUTION REQUEST WILL RESULT IN AUTOMATIC REJECTION OF PROPOSED SUBSTITUTION.

CROSSFIELD PRODUCTS CORP  
Supplier

E. J. Stoltz  
Signature

504.738.2727  
Telephone

8.3.2010  
Date

Signature must be by person authorized to legally bind his/her firm to the above terms. Failure to provide legally binding signature will result in rejection.

NOTARY: M. DELIBERTO  
NOTARY PUBLIC - 040587  
JEFFERSON - ORLEANS PARISH  
STATE OF LOUISIANA  
MY COMMISSION IS FOR LIFE  
General Contractor

\_\_\_\_\_  
Date  
\_\_\_\_\_  
Signature

NOTARY: Crossfield Products Corp  
Supplier/ Subcontractor

8.3.2010  
Date  
E. J. Stoltz  
Signature

**A/E'S REVIEW AND ACTION (to be filled-in by Architect/Engineer)**

- Substitution Proposal Rejected because not complete
- Substitution Accepted
- Substitution Accepted as noted
- Substitution Rejected
- Substitution Proposal Rejected because received too late.

By: Michael Tabb  
Date: 08.04.2010  
Remarks: \_\_\_\_\_

# DEX-O-TEX®

## System Description Sheet

## Bio-Tex QFH

### Quartz Base ColorFlake Topped Resinous Flooring System

### 1. PRODUCT DESCRIPTION

#### A. COMPOSITION

Bio-Tex QFH is a hybrid, anhydrid polymeric flooring system comprised of Biphenyl A epoxy basecoats and aliphatic polyester enamel polyurethane highly functional poly-urea resin based finish sealer that is designed as a moisture tolerant, heat and chemical resistant, abrasion resistant seamless flooring systems for demanding industrial or institutional environments where durable clean room sanitary flooring and wall coatings are essential for ultimate performance and productivity. The Bio-Tex QFH is a monolithic application at 1/8" (1.7mm) thickness. It functions in excessively abusive (impact, wear, chemical, heat, wet areas) areas where other flooring systems fail, such as, acid brick, quarry tile, ceramic tile and most polymer flooring systems fail.

The hybrid system offers new generation resin polymers with highly functional crosslinking, producing extremely tight molecularly dense films that are tough, with superior impact, chemical and heat resistant. The two-component poly-urea polyurethane resin and curing agent that are mixed with a pre-engineered special aggregate and sealed with an enamel Poly-Urea coating.

The Bio-Tex QFH decorative finish is created with the use of different solid colored quartz aggregates basecoat aggregates that provide a high strength base coat providing impact and abrasion resistance, with resilient and esthetically pleasing Color Flake Finish, top coated with clear poly-urea resin. The system is highly chemical resistant and resist steam cleaning, hot and cold liquid spills and extreme temperature changes.

It can be placed on both new and existing concrete and it is ideal for renovation applications, since they cure rapidly allowing for rapid return to service. Unlike a MMA (methyl methacrylates), Bio-Tex QFH is non-flammable and nearly odorless during placement and cure. It complies with all Federal, State and Provisional VOC requirements.

Bio-Tex QFH can be applied at temperatures ranging between 45°F (7°C) and 95°F (30°C). Typical setting times at 70°F (21°C) for pedestrian traffic is 4 hours; return to forklift service is 10 hours; exposure to harsh chemicals is 24 hours.

**Cove Base and Topcoat:** Use BIO QFH for cove bases, trenches and other vertical surfaces. Optional topcoats can be applied using Flex-Glaze Polyaspartic, or Chem-Rez N pigmented or Clear.

#### B. TYPICAL USES

Bio-Tex QFH is used in rugged service conditions including pharmaceutical manufacturing, sterilization, Healthcare fermentation, food processing, beverage, juice, spirit and wine processing, food Service, chemical processing, pulp and paper processing, Institution and detention facilities

#### C. ADVANTAGES AND LIMITATION

##### ADVANTAGES:

1. Withstands heavy and abusive service
2. Excellent chemical resistance
3. Minimal Odor during installation and cure
4. Rapid cure and rapid return to service

5. Unaffected by high temperature and high temperature spills up to 275°F (135°C),
6. Multiple textured surface profiles available providing different degrees of slip resistance, ranging from mild to extreme aggressiveness.
7. Resistant to algae, bacteria, fungi, mold and mildew (does not promote microbial growth).
8. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

##### LIMITATIONS:

1. When more aggressive slip resistant textures are selected, specialized cleaning techniques may be require.
2. Moisture vapor transmission (MVT) in excess of 3.0 lbs/1000 sq/ft/per 24 hr period per ASTM F1869-04, may result in delamination. Consult with Crossfield if moisture vapor transmission exceeds 3.0 lbs. or 90% rh.

### 2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- |  |   |
|--|---|
| A. Compressive Strength ASTM C579.....           | 6,200 psi   |
| B. Tensile Strength ASTM C638.....               | 5,800 psi   |
| C. Flexural Strength ASTM C580.....              | 3,800 psi   |
| D. Hardness ASTM D2240, Shore D.....             | .85-90  |
| E. Thermal Coefficient of Linear Expansion.....  | 16x10 <sup>6</sup> ASTM C531 (in/in <sup>3</sup> F) |
| F. Density ASTM C905, lbs/ft. <sup>3</sup> ..... | 130   |
| G. Water Absorption MIL-D-3134.....              | 0.64% (Para. 4.6.5)                                 |
| H. Flammability ASTM E648.....                   | >1.07 watts/cm <sup>2</sup>                         |
| I. Adhesion ASTM D4541.....                      | 400 psi (100% failure in concrete substrate)        |
| J. Abrasion Resistance ASTM D 4060(C-17).....    | 0.1 gram loss                                       |
| K. Temperature Distortion Crossfield Lab.....    | Passes (dry, wet and oil at 250°F or 121°C)         |
| L. Microbial Resistance ASTM G21.....            | Passes Rating 1                                     |
| M. Chemical Resistance.....                      | (See Chemical Resistant Chart)                      |

### 3. OVERVIEW OF INSTALLATION STEPS

- Obtain, read and observe MSDS.
- Prepare substrate surface by careful and thorough removal of all laitance, greases and other foreign matter that may interfere with bond. Generally speaking, shot blasting, coupled with edge grinding is the recommended method of preparation.
- Use VCP 200 over porous substrate surfaces up to 10 lbs MVER.
- Screed Bio-Tex QFH matrix to achieve the specified thickness 1/8" (3.2mm).
- Broadcast Color Flake aggregate Uniform size to rejection, finished thickness is 1/8" (3.2mm).
- Dex-O-Tex Elastaglaze poly-urea resin clear is applied as a groutcoat/lockcoat to specified texture..
- Apply top coat of Elastaglaze poly-urea sealer, or optional Flex-Glaze Polyaspartic, or Chem Rez Novolac Epoxy top coat.

# System Description Sheet

## Bio-Tex QCU High Functional Urethane/Poly Urea Flooring System

### 4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

### 5. SKID RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, and the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

### 6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning materials or techniques will be required. Contact Dex-O-Tex Division's sales or technical service representative for additional information.

### 7. SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

### 8. CHEMICAL RESISTANCE

See Crossfield Products Corp., Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes
- Crossfield Products Corp. Proprietary Testing

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subjective aesthetic issues. To determine aesthetic issues, Crossfield recommends testing the product or system in accordance with intended end use.

### 9. TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

### LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICE ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield examination shall disclose to Crossfield's satisfaction to be thus defective.

IN NO EVENT SHALL CROSSFIELD PRODUCTS CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON CROSSFIELD'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF A CROSSFIELD PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF CROSSFIELD'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION, ABUSE OR MISUSE. CROSSFIELD PRODUCTS CORP. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIALS NOT SUPPLIED BY CROSSFIELD PRODUCTS CORP., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM CROSSFIELD PRODUCTS CORP. SOLD ITS PRODUCT OR PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST CROSSFIELD PRODUCTS CORP. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



### DEX-O-TEX PRODUCT LINE Crossfield Products Corp.

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3000 E. Harcourt Street	140 Valley Road
Rancho Dominguez, CA	Roselle Park, NJ
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310-886-9100	908-245-2800
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