



# Hamburg Township Public Safety Department

PO BOX 157 · HAMBURG, MICHIGAN 48139  
PHONE: (810) 231-9391 · FAX: (810) 231-9401

EMAIL: [HATP@hamburg.mi.us](mailto:HATP@hamburg.mi.us)

RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



**TO:** Hamburg Township Board

**FROM:** Chief Richard Duffany

**DATE:** July 11, 2023

**RE:** Agenda Item Topic: **Fire Station 11 Bay Floor Refurbishment**

General Ledger #: **206-000.000-930.003**

Number of Supporting Documents: **4**

NEW/OLD BUSINESS: **XXX** New Business

\_\_\_\_\_ Old Business – Previous Agenda #:

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## **Requested Board Action**

- Motion to approve the hiring of Concrete Floor Treatment, Inc. of Westland, MI to perform the bay floor refurbishment work, as outlined in their quote, at Fire Station 11 for a price of \$48,615.00.

## **Background Information**

One of the major goals in this fiscal year is to completely refurbish the interior of Station 11. Station 11 was built in 1985 and in the past 38 years there has been minor upkeep projects performed within Station 11, however, the interior of the building is in need of a complete renovation in order to maintain the building as a safe and functional Fire Station for decades to come. One of the areas that needs attention are the bay floors as the floors are in a deteriorating state. This requires grinding the current floors down to the bare concrete and then applying a new system of epoxy.

Deputy Director Newton met with five different vendors, each offering a different solution for the bay floors. Some wish to use a painted coat of epoxy (12-15 mils thick), others recommended a resinous form of epoxy (20-28 mils thick), and one recommended a “traffic coat” which is about 60mils thick, or 1/8” thick. Deputy Director Newton spoke with several local fire chiefs in the area who have had floors done and the consensus of these chiefs was that we should use a resinous epoxy floor system (20-28 mils thick minimum). Not only was this resinous epoxy floor system the consensus choice of the other fire chiefs but the cost also falls within the \$50,000 that we budgeted for this project.



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*RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY*



After completing his research, Deputy Director Newton found that all of the different floor companies used different nomenclature when describing their products and procedures which made preparing an RFP extremely difficult. As such, it was determined to submit the quotes to the Township Board as received for consideration.

The following three quotes met our requirement of a resinous epoxy floor system:

1. Concrete Floor Treatment, Inc.  
Westland, MI  
**Quote: \$48,615.00**
2. Diamond Shine Concrete Polishing  
Shelby Twp., MI  
**Quote: \$53,551.00**
3. Cipriano Coating Technology  
Sterling Heights, MI  
**Quote: \$54,500.00**

A fourth vendor, GVC Painting Company of Milford, submitted a quote of \$29,700.00, however it did not meeting our specifications. The fifth vendor did not submit a quote.

It is my recommendation that Concrete Floor Treatment, Inc. be hired to complete the bay floor work as outlined in their quote as they were the lowest bid.

## **Budget Impact**

The cost for this project has been included in the adopted FY 23/24 budget and will not adversely impact the budget.

Respectfully,

A handwritten signature in cursive script, appearing to read "Richard Duffany".

Chief Richard Duffany  
Director of Public Safety



# Concrete Floor Treatment, Inc.

38257 Abruzzi Dr., Westland, MI 48185  
734-721-4640



June 26, 2023

Hamburg Township Fire Department  
10100 Veterans Memorial Dr.  
P.O. Box 157  
Hamburg MI 48139-0157

Attn: Deputy Director Jeffrey Newton

Ref: Fire Station 3666 M-36

Concrete Floor Treatment, Inc. we are pleased to submit the following proposal.

**Sherwin Williams Resuflor Deco Flake DB Floor System**

1. Remove existing coating/tile.
2. Mechanically prepare concrete to receive floor system.
3. Repair cracks and surface defects with epoxy repair materials.
4. Apply epoxy primer filled with decorative flake.
5. Apply intermediate coat of epoxy filled with decorative flake.
6. Apply clear epoxy grout coat to encapsulate decorative flake.
7. Apply clear urethane high wear seal coat.
8. Apply yellow lines.

**Total cost apparatus bays and misc rooms per our walk-thru.... \$48,615.00**

**Total cost for training room.....\$19,640.00**

If you have any further questions, feel free to contact me at 313-218-5383.

Sincerely,

Jeff Carnacchi  
Concrete Floor Treatment, Inc.  
President  
Cell: 313-218-5383  
Office: 734-721-4640



July 3, 2023

Mr. Jeffrey Newton  
Hamburg Township Fire

**RE: Resinous Flooring Proposal – Station 11**

### Proposal

**Areas:** Designated Apparatus Bays – Approximately 7085 sq. ft.  
Training Room – Approximately 2400 sq. ft.

**Manufacturer:** Protective Industrial Polymers.

**System:** Three Coat Resinous Flooring with urethane finish coat. – **Protect CT-500pro**  
Traffic Coating System with urethane finish coat. – **Protect BC-500pro**  
Double Broadcast Flake – **ChromaFlake**  
Ground and Polished Concrete in training room

**Preparation:** Shot blasting &/or diamond grinding:

CCT will utilize state of the art surface preparation equipment to profile the existing concrete or coating system to create the proper profile for maximum adhesion. These pieces of surface preparation equipment use high end dust collection systems that capture 98% of the air born particulate.

BW Manufacturing – SCB 1600

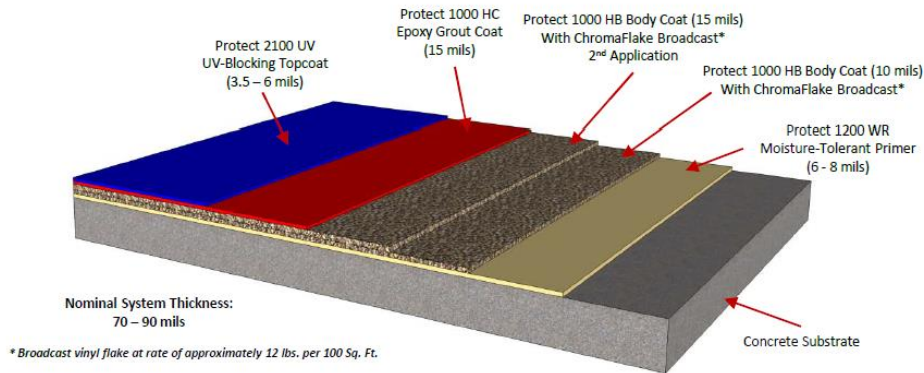


Husqvarna – PG 820



**System:** Multi-coat Decorative Flake System:

## DecoSpec ChromaFlake DB Decorative Vinyl Flake Double Broadcast System



**Installation:** Will include the following

- Mechanically abrade surface to achieve proper profile for maximum adhesion.
- Fill in cracks and imperfections with epoxy repair materials
- Option to install integral epoxy cove base at perimeter areas
- One prime coat of 100% solids epoxy primer. Protect 1000CR 8 mils dft
- One base coat of 100% solids epoxy pigmented – Protect 1000HB 16 mils dft
- Broadcast to rejection multi-colored flake aggregate
- One intermediate coat of 100% solids epoxy – Protect 1000HB – 16 mils dft
- Broadcast to rejection multi-colored flake aggregate
- One grout coat of 100% solids epoxy – Protect 1000HB 16 mils dft
- One finish coat of extreme abrasion resistant urethane Protect 2100 UV-DW satin finish 6 mils wft
- Selected texture

**Cost:**

**\$54,500.00**

Office 586.726.2900

Cell 810.343.2834

## Warranty

Cipriano Coating Technology, ("Contractor") warrants its work to be free from defects in materials and workmanship, which appear within one year(s) from the date of completion of the work. In the event a defect caused by material or workmanship appears within one year(s) of the date of completion, the Owner shall give Contractor written notice of the same no later than thirty (30) days before expiration of the one-year(s) warranty period. Further, Owner's remedies shall be limited to Contractor's election of either refund of the contract price or correction of the defect. The express warranty contained herein is exclusive and in lieu of all other warranties of any kind, express or implied. Owner's remedies are limited, as set forth above, and in no event shall Contractor be liable to Owner for incidental or consequential damages, including, but not limited to, lost profits, business interruption expenses, and/or expenses incurred in moving and/or storing equipment or inventory for correction of the work

**NO WARRANTY IS MADE FOR APPLICATION WHERE SUBSTRATUM FAILURE, SEPARATION OF CONCRETE OR CONCRETE MOVEMENT ASSOCIATED WITH JOINT OR EXPANSION LINES DUE TO TEMPERATURE RISE OR DROP, VAPOR DRIVE, HYDROSTATIC PRESSURE OR ANY PROBLEM ASSOCIATED WITH MOISTURE OR VAPOR EMISSION THAT IS BEYOND THE CONTROL OF THE MATERIAL SUPPLIER OR THE CONTRACTOR. CCT WILL NOT BE HELD LIABLE FOR REPAIRS CAUSED BY MOISTURE/VAPOR RELATED ISSUES.**

## Helpful Tips

Excessive wear is not warranted, here are a few helpful tips to make your floor last:

1. Have your forklifts adjusted so that should somebody slam the gas pedal to the floor, the tires will not spin.
2. Install white urethane tires on your forklifts. White tires help eliminate tire marks.
3. If forklifts go out to an exterior parking lot, have the parking lot swept periodically. Sweeping the parking lot will limit the amount of debris dragged in from the outside.
4. Lastly, and most importantly, keep your floors clean. Forklift wheels do not scar the coating. Dirt causes friction between the wheels and the floor, this causes permanent scarring.

## Special Notes

1. All proposals are subject to site inspection prior to work beginning. Any changes from initial site inspection to actual start of job will be addressed. A change order may be necessary if site has changed from initial inspection (i.e. the project was bid as an empty building and when crew arrives to do job it is full of equipment).
2. CIPRIANO COATING TECHNOLOGY is to be provided; lights, water, electricity, and 24-hour access to the site. The temperature, not a daily work schedule, set coating time frames. When a floor is ready for recoating it needs to be done immediately.
3. Concrete is to be in broom-swept condition. Any tar, chewing gum, or excess concrete, etc is to be scraped off and floor swept prior to CIPRIANO COATING TECHNOLOGY starting project.
4. CIPRIANO COATING TECHNOLOGY is to have uninterrupted work. Interruptions by general contractor or owner, which cause a delay in the project, will result in a change order to compensate CIPRIANO COATING TECHNOLOGY for time and expenses incurred.
5. If any unforeseeable cap failure occurs during our preparation process additional repairs may be required in order to maintain flat finish. Additional costs will be associated to repair cap failure.
6. CIPRIANO COATING TECHNOLOGY strongly recommends performing a vapor test on your concrete prior to coating installation. A vapor drive test is extremely inexpensive. It is much better to discover vapor transmission prior to coating installation as opposed to after coating installation. CIPRIANO COATING TECHNOLOGY will not be held responsible in any way for vapor transmissions from the concrete, e.g., water pressure.
7. Owner or general contractor is responsible for protecting work from other trades during installation as well as after coating is installed.
8. Pricing includes all materials and labor.
9. Our proposal is based on completing all work in one move-in (entire job to be done at once) unless otherwise stated
10. Filling or repairing of joints is included in this proposal unless otherwise specified. Typically expansion joints are honored (i.e. cut and filled with an elastomeric sealant) while control joints are filled with a rigid material. Occasionally filled joints will crack and or rise slightly with slab movement. This is normal and is not covered by warranty.
11. If proposal includes repair cracks 1/16' or larger, CIPRIANO COATING TECHNOLOGY cannot guarantee that the floor will not crack next to the repaired crack or elsewhere.
12. Owner to move all moveable objects from area where work is to be performed unless otherwise stated.
13. When your job is scheduled; the dates, time frames, etc. are confirmed with the superintendent or owner. Should CIPRIANO COATING TECHNOLOGY'S crew(s) arrive to the job site, and the area is not ready, there will be a waiting charge and/or a trip charge to return to the

project at CIPRIANO COATING TECHNOLOGY'S earliest convenience. The trip charge will amount to time, material, and expenses for the delayed project.

14. A 25% restocking fee will be charged on all returned materials for cancelled projects or projects reduced in quantity that CIPRIANO COATING TECHNOLOGY has ordered materials for.
15. Floor must be free from standing or dripping water. An additional mobilization charge will be incurred should CIPRIANO COATING TECHNOLOGY be required to wait for concrete to dry where there is standing water. If there are any drips or leaks from the building or doors onto the floor this must be repaired prior to coating installation. Any damage to the wet coating from standing water, drips or leaks is strictly the owner's responsibility.
16. Building should be kept at an ambient, controlled temperature for three (3) days prior to coating installation and ten (10) days after coating installation. According to concrete vapor emission consultants the aforementioned controlled environment will greatly decrease the chance of vapor emissions from the concrete. If the environment cannot be controlled, the temperature inside the building should not be brought up or down depending on the time of year to ambient temperature for at least ten (10) days after coating is installed
17. CIPRIANO COATING TECHNOLOGY reserves the right to charge a 10% cancellation fee for projects cancelled within two (2) weeks of start date.
18. All bids are quoted on a non-union basis unless otherwise specified in the proposal
19. CIPRIANO COATING TECHNOLOGY makes no warranty in regards to an exact color match between existing flooring and new flooring. We will do our level best to match colors. However, lighting, wear, and simple aging of materials do affect the color and hue of these materials.

### **ACCEPTANCE OF PROPOSAL**

The included prices, specifications, and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified.

Authorized Contractor Signature: \_\_\_\_\_

Date of Acceptance: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_





1525 S. GARNER RD. MILFORD, MI 48380  
 877-600-6162 FAX 248-685-0992

Proposal#	11196
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**PROPOSAL**

Date
8/17/2022

Phone/Fax/E-mail
810-222-1100

Project
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Interior
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Name/Address
Hamburg Twp. Fire Dept #11 3666 M-36 Pinckney, MI 48169

Terms
Upon invoice

WE HEREBY SUBMIT SPECIFICATIONS FOR:	Total
Floors- 1.) Diamond grind approximately 6,680 sq.ft. of two bays and hose tower area floors, to profile. 2.) Repair cracks and holes, using 100% solids epoxy crack filler. 3.) Prime all necessary areas. 4.) Apply 12 mills of 100% solids self leveling epoxy, in Red. Apply White and Grey acrylic flake. 5.) Clear coat with hi-solids urethane, gloss or satin finish. Note: All materials are PPG's 100% solids epoxy coatings.  Floor	29,700.00

All material is guaranteed to be as specified. All work to be completed in a workman like manner according to standard practices. Our workers are fully covered by workers compensation insurance.  
 Payment Terms: Payments not paid within the stated time period are subject to attorney fees and court cost.  
 Acceptance Of Proposal: The above prices, specifications and conditions are satisfactory and are accepted.

This proposal may be withdrawn by us if not accepted within 90 days.

Signature \_\_\_\_\_