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PRODUCTS, INC.
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APPLETON, WI 54911
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OR 1-800-221-6381
EPOXY & FIBERGLASS FLOORING, SEAMLESS FIBERGLASS WALL SYSTEMS, SEALERS,
HIGH PERFORMANCE COATING SYSTEMS, AND INDUSTRIAL CLEANERS

ARCHITECTURAL SPECIFICATIONS
PFAC JOINT FILLING

GENERAL

1.1 DESCRIPTION

A. Applicable provisions of Division 0 & 1 shall govern all work under this section

B. Work included: apply epoxy coatings on floors as listed in the finish schedule, as specified herein and as needed or required for complete and proper installation.

C. RELATED WORK: Other documents affecting work of this section include, but are not necessarily limited to:

1. Section 3300 concrete
2. Section 09900 painting

1.2 QUALITY ASSURANCE AND STANDARDS

A. The contractor shall employ adequate numbers of experienced, skilled tradesmen for the work who are familiar with the methods, materials, requirements and their standards needed for proper performance of the work specified and in accordance with the following standards:

1. Contractor shall be an approved installer by manufacturer
2. Contractor shall have a minimum of 2 years installation experience with projects of the same size utilizing the same or similar materials.

B. General Contractor shall schedule work so as to minimize damage to surface from other trades work and to allow for the smooth and efficient application of the products.

1.3. SUBMITTALS

A. A sample of joint filing material.

B. Submit contractor qualifications with (at minimum) 5 jobs completed in the previous 24 months, with the size and wear characteristics similar to that bid with names, addresses, phone numbers of owners and project architects.

1.4 PRODUCT HANDLING

A. Comply with the pertinent provisions of section 01640, specific product storage requirements as supplied by manufacturer, and applicable OSHA storage requirements

1.5 CONCRETE

A. As part of this project, coatings contractor shall test all concrete prior to commencement of work to ensure that moisture vapor transmission through the slab does NOT exceed 4.5 lb. moisture vapor/24 hours/1000sqft. If rates exceed the maximum the concrete must be allowed to cure more or other corrective action much be taken to being the emission rate down to acceptable limits. Product application can proceed if MVT limits are higher than this though the concrete will continue to shrink and it is likely to pull apart at the joint-PFAC interface. Product application over the specified limits may proceed only upon written direction by contractor/owner/architect in full knowledge of the above.

B. Concrete shall be poured without any "chloride" containing accelerators. Concrete shown to coating chloride accelerators may, at the option of the Architect, be removed and replaced at the concrete contractors expense.

C. Concrete shall be poured and finished to smoothness and flatness specifications as noted in Section 3300 Poured In place Concrete.

D. If saw cuts are ragged, broken, not uniform, moving or if joints edges are on differing levels work may proceed only upon written direction of contractor/owner/architect noting what, if any, corrective actions need to be taken.

PART 2 PRODUCTS

2.1 MATERIALS

PFAC I or PFAC II

2.2 MANUFACTURERS

A. C.D. Products Inc. 918 N Union St. Appleton, WI 54911 (920)-739-8685

2.3 OTHER MATERIALS

A. Provide other materials not specifically described herein but required for a complete and proper installation as selected by the contractor subject to the approval of the architect.

2.4. ALTERNATE MATERIALS

A. NONE

PART 3 EXECUTION

3.1 INSPECTION AND PROTECTION

A. Examine surfaces scheduled to be coated prior to commencement of work, report any area that may affect proper application. Correct or cause to be corrected any deficient areas reported prior to coating. Proceed to coat noted defective areas only after architect/owner written approval.

B. Protect all adjacent surfaces from staining by product overflow.

C. Contractor shall honor all construction joints and/or expansion joints unless otherwise noted herein.

3.2 FLOOR PREPARATION - CONCRETE

Joints to be filled shall be cleaned out via mechanical means which include water blasting and/or saw cutting so as to provide a clean, dry edge for proper adherence of product.

3.3 APPLICATION

A. Apply one line of PFAC into joint to “seal” the bottom of the joint.

B. 10-15 min later apply another line of PFAC to completely fill joint.

C. Approximately 15-30 min later shave off excess over flow with a razor scraper leaving a smooth edge.

D. Remove overflow barrier product as appropriate

E. Application of PFAC/KOLDPFAC for cooler or freezer work may be done at operation temperatures to minimize pull-apart of the joint as the concrete temperature lowers and the surface shrinks.

The use of a foam backer rod is expressly disallowed.

F. As concrete dries over time it is advisable to wait as long as possible- 30+ days- for the concrete to shrink ahead of the joint fill application so as ti minimize any separation of the joint material from the wall of the concrete saw cut as the concrete continues to shrink

3.4 PROTECTION OF WORK AND FINAL CLEANING

A. Contractor is responsible to remove all trash and debris generated by his work and dispose of it in compliance with all local and federal regulations.

B. Contractor shall keep his work area free of unnecessary accumulation of tools, equipment, surplus material and debris.
C. Contractor shall erect as required the necessary barriers, notices of work, keep off signs, no smoking signs, etc., as required.