

BuildingName
The Description of the Project
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ARCHITECTURE & ENGINEERING
326 East Hoover, Mail Stop B
Ann Arbor, MI 48109-1002
Phone: 734-764-3414
Fax: 734-936-3334

SPECIFICATION DIVISION 3

NUMBER SECTION DESCRIPTION

DIVISION 03 CONCRETE

SECTION 035416 - HYDRAULIC CEMENT UNDERLAYMENT

END OF CONTENTS TABLE

DIVISION 03 CONCRETE
SECTION 035416 - HYDRAULIC CEMENT UNDERLAYMENT

THIN UNDERLAYMENT FOR LEVELING AND REPAIR. CONSIDER "GYP-CRETE" OR OTHER PRODUCTS FOR SIMILAR APPLICATIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Extent of concrete underlayment is indicated on drawings.
- B. Types of concrete underlayment includes:
 - 1. Poured, self-leveling underlayment.
 - 2. Trowel-on underlayment for sloped applications.

1.2 SUBMITTALS

- A. Product Data: Mfr's literature and installation instructions indicating compliance with requirements.

PART 2 - PRODUCTS

2.1 SELF-LEVELING UNDERLAYMENT

- A. Water-resistant, cementitious, self-leveling underlayment primer and topping course as follows:
 - 1. Primer: Manufacturer's standard primer to promote bond between topping and substrate. Subject to compliance with requirements, provide one of the following:
 - a. "Ultra Prime"; Ardex, Inc.
 - b. "Gyp-Crete Floor Primer"; Maxxon Corp.
 - 2. Topping Compound: Minimum 5500 psi compressive strength at 28 days. Subject to compliance with requirements, provide one of the following:
 - a. Type "K-15"; Ardex, Inc.
 - b. "Level-Right"; Maxxon Corp.

2.2 SLOPED-FLOOR UNDERLAYMENT

- A. Water-resistant, cementitious, self-priming, polymer concrete underlayment specifically compounded for sloped-floor applications:
 - 1. Product: "Poly-Top"; Ardex, Inc.

PART 3 - EXECUTION

COORDINATE THIS PORTION WITH RESILIENT FLOOR SECTION TO AVOID DUPLICATION.

3.1 UNDERLAYMENT APPLICATION, GENERAL

- A. Where uneven floor levels or holes occur, fill, patch, and provide underlayment as required to level surface to indicated standard prior to installation of finished floor material.

REQUIREMENT BELOW IS INTENDED TO LIMIT CLAIMS FOR EXTRAS.

- B. Patching is required for the following percentage of the gross floor area of the Project:

MODIFY PERCENTAGES BELOW BASED ON YOUR JUDGMENT.

- 1. Approximately 20 percent.
- 2. Approximately 50 percent.
- 3. Approximately 75 percent.
- 4. Full area.

3.2 SELF-LEVELING FLOOR UNDERLAYMENT

- A. Comply with mfr's recommended procedures for indicated application, including preparation, priming and topping application.
- B. Apply topping over existing surfaces to depth required to provide true and even plane with the following characteristics:
 - 1. Min. Thickness: 1/8 inch, unless otherwise noted.
 - 2. Flatness Tolerance: FF 18, flatness tolerance.
 - 3. Levelness Tolerance: FL 15, levelness tolerance.

3.3 SLOPED-FLOOR UNDERLAYMENT

- A. Mechanically clean surface by shot-blasting, scarifying or similar abrasion process to create a clean, sound and roughened concrete surface. Except at surrounding walls, saw-cut 1/4-inch deep or more to create depth boundaries.
- B. Apply prime coat consisting of three parts "Poly-Top" Part A powder mixed with one part "Poly-Top" Part B liquid. Brush onto prepared concrete sub-surface with stiff brushes.
- C. While prime coat is still wet, apply finish coat mixed at normal top coat ratio. Trowel finish coat to achieve slope indicated on drawings.

3.4 CONCRETE WASHOUT

- A. Perform washout using proper disposal and washout practices. Perform washing of concrete trucks in designated areas or off site. Do not discharge concrete washout into storm drains, catch basins or to the sanitary sewer system.

END OF SECTION 035416