

# GUIDE SPECIFICATION

## Cutdown® II

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Section 07260  
Vapor Retarders  
or  
Section 09601  
Concrete Floor Sealer

### Part 1 – General

#### 1.1 Section includes

- A. Furnish all labor, materials, tools and equipment as necessary to perform installation of Concrete Floor Sealer on new and/or existing concrete slabs as shown on drawings and as specified in this section.
- B. Repairs and preparation of concrete floors.
- C. Related Sections: (Delete or add necessary Sections)
  - 1. See section 09620 – Specialty Flooring.
  - 2. See section 09630 – Masonry Flooring.
  - 3. See section 09640 – Wood Flooring.
  - 4. See section 09650 – Resilient Flooring.
  - 5. See section 09680 – Carpet.

#### 1.2 References

- A. ASTM F 1869 – Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2004.
- B. ASTM F 2170 – Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using In Situ Probes.

#### 1.3 Submittals

- A. General:  
Submit manufacturer's certification that proposed materials, details and systems as indicated and specified fully comply with manufacturer's details and specifications. If any portion of Contract Documents does not conform to manufacturer's standard recommendations, submit notification of portions of design that are at variance with manufacturer's specifications.
- B. Product Data:
  - 1. Submit manufacturer's literature, installation instructions and MSDS for each product.
- C. Concrete Slab Test Results:  
Submit slab moisture test results. Testing conducted in accordance with ASTM F1869 and / or ASTM F 2170.

#### 1.4 Quality Assurance

- A. Manufacturer Qualifications:
  - 1. Company specializing in manufacturing floor sealing and floor leveling materials that will upon application and inspection of installation, provide a five year warranty that moisture emission will not exceed three pounds per 1000 square feet per 24 hours (from a maximum initial level of 12 lbs.).
- B. Installer Qualifications:

1. Contractor shall be knowledgeable and well trained with regards to subfloor preparation, including surface preparation, and material application.

#### 1.5 Delivery, Storage and Handling

- A. Deliver and store in a dry, well ventilated area at minimum 50 deg. F (10 deg C) and maximum 90 deg F (32 deg C).
- B. Deliver materials in manufacturer's unopened containers, fully identified with brand, type, grade, class and all other qualifying information. Provide Materials Safety Data Sheets for each product.

#### 1.6 System Requirements

- A. Coordinate floor sealing installation with other trades.
- B. Provide materials and accessories in timely manner so as not to delay Work.

#### 1.7 Project Conditions

- A. Surfaces to be sealed should have a minimum temperature of 55 deg F. The area should be conditioned at 70 deg F with a maximum humidity of 60% for 48 hours prior to application.
- B. Once applied, the area must be kept at 70 deg F and 60% relative humidity for 72 hours.

### Part 2 – Products

#### 2.1 Manufacturers

- A. Approved Manufacturers: Dependable Chemical Company, Inc. PO Box 16334 Rocky River, OH 44116-0334 Phone: (800) 224-3434 Fax (440) 333-0070.
- B. Requests for substitutions will be considered only if submitted to the architect/engineer in writing and must include substantiation of product performance.

#### 2.2 Materials

- A. Concrete Floor Sealer – single component, high density, latex based product:
  1. Product: CUTDOWN® II

### Part 3 – Execution

#### 3.1 Examination

- A. Examine all construction substrates and conditions under which concrete floor sealer material is to be installed. Do not proceed with the concrete floor sealer installation until unsatisfactory conditions are corrected.

#### 3.2 Preparation

- A. Protect adjacent surfaces not designated to receive concrete floor sealer.
- B. Substrate preparation:
  1. All surfaces to be treated must be sound, solid, clean and absorptive. Substrate must be clean and free of any dirt, paint, curing compound, sealer or any other contaminant that might interfere with the product's penetration and bond. Make sure there is no standing water. Damp mopping is acceptable to remove dust and help prime porous substrates.
  2. Polished or very smooth concrete slabs should be mechanically profiled to allow the material to soak into the pores and properly bond to the slab. Preparation methods include grinding, scarifying, or bead blasting.

3. For installation of dimensionally unstable floor covering, such as glued down wood floor, the concrete should be prepared by shotblasting to a minimum profile of CSP 3.
4. When installing a self-leveling material over CUTDOWN® II follow the surface preparation guidelines for that material for the concrete substrate.

### 3.3 Installation

- A. Cutdown® II is a two component material. Pour all of Part A into the mixing bucket followed by all of Part B. Mechanically mix until streak free.
- B. Apply concrete floor sealer material in quantities and in manner set forth in manufacturer's full written directions, technical bulletins and recommendations.
- C. Spread using roller (3/8" nap for most substrates) to the dry substrate. Avoid pouring the material directly on the substrate, instead dip into pail or pour the material into a paint pan. Roll with even and consistent strokes to ensure uniform coverage. Be careful to avoid material build-up where the product overlaps.
- D. Allow 2 –3 hour dry time in between coats.
- E. Apply the second coat in the direction perpendicular to the first. When applying 3 coats, drying time is 2 – 3 hours. Allow 24 hours, at recommended atmospheric conditions, prior to patch or floor covering application.
- F. Where specified install floor covering as per manufacturer's directions and recommendations. If the surface is irregular and smoothing is required use a suitable hydraulic cement repair material such as DEPENDABLE SKIMCRETE XL or SKIMFLOW ES after the CUTDOWN® II treatment.

### 3.4 Acceptance

- A. Remove left over materials and any foreign material resulting from the work from the site.
- B. Clean adjacent surfaces and materials.

### 3.5 Precautions / Limitations

- A. Do not nail into CUTDOWN® II.
- B. Do not apply over existing coatings or floor coverings.
- C. Not recommended prior to the use of protective floor coatings.

END OF SECTION