

03 15 00 – Under Slab Vapor Barrier

DIVISION 3 – Concrete



STATEMENT OF PURPOSE & BACKGROUND

- Scope:
 - Sheet vapor barrier installed under interior concrete slabs on- and below-grade.
- Statement of goals:
 - Controls transmission of moisture vapor to levels allowable by selected topping and floor finish.
- Revision history of section:
 - 8/21/2018 (date of adoption)
 - 02/02/21 (renamed)
- Related Sections:
 - 32 13 13 – Exterior Concrete Paving

SELECTION AND APPLICATION CRITERIA

- Complies with ASTM E1745 Class A.
- Thickness: 15 mils.
- Provide manufacturer's recommended accessory products including tape, adhesives, mastic etc. for sealing seams and penetrations in vapor barrier.

OUTLINE SPECIFICATION

- Part 1 General
 - For all on- and below-grade concrete slabs, a confirmed and permanently effective, low-permeance vapor retarder/barrier is required. Permeance shall not exceed 0.01 perms when tested in accordance with ASTM E96.
- Part 2 Products
 - Approved Manufacturers:
 - Raven Industries Inc.; VaporBlock 15
 - Stego Industries LLC; Stego Wrap Vapor Barrier, 15 mil
 - W. R. Meadows Inc.; Perminator 15 mil
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Part 3 Execution
 - Per Consultant and / or manufacturer specification.
 - Install vapor barrier under interior slabs on- and below-grade grade; lap sheet over footings and seal to foundation walls.
 - Place vapor barrier directly beneath the concrete, on top of the granular fill.
 - Lap joints a minimum of 6 inches.
 - Seal joints, seams and penetrations watertight.

End of Section