

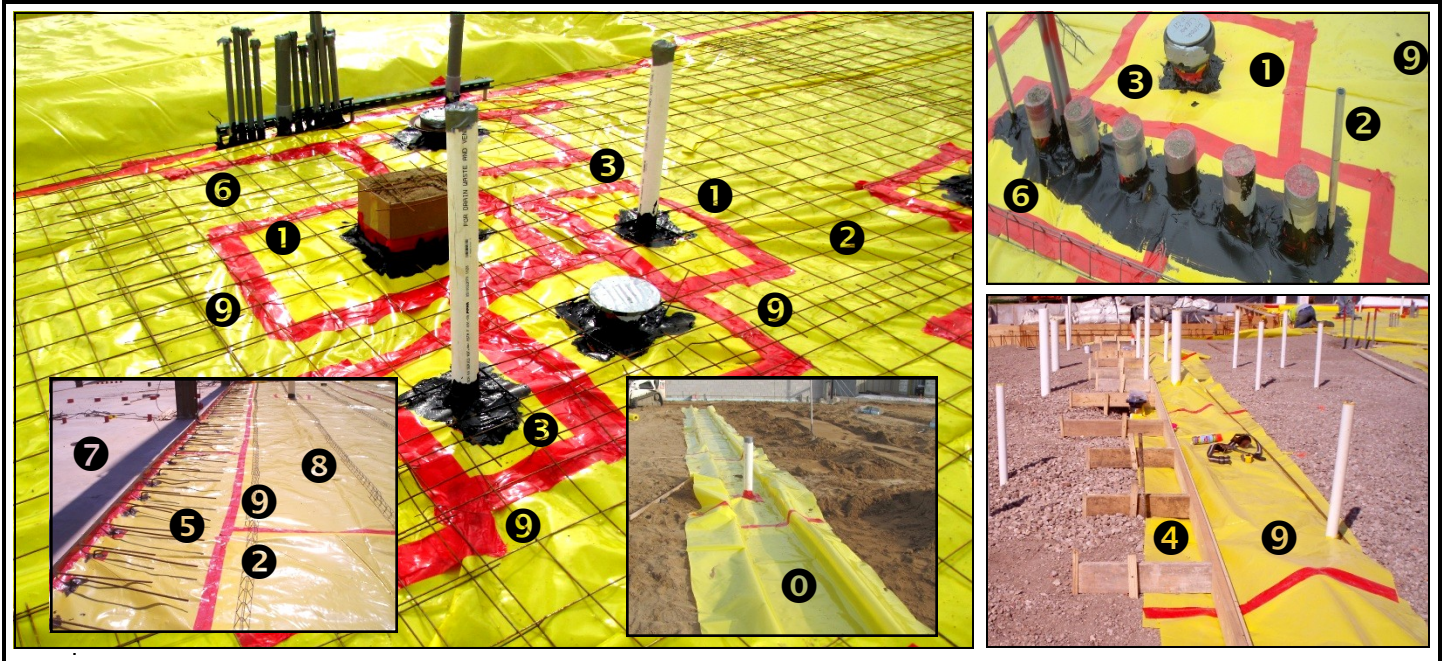


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Vapor barrier mastic is used to reduce labor time and easily close off holes in the plastic barrier.

One of the biggest issues we have as an industry today is floor failure due to excessive moisture in the concrete. Slab on grade concerns are of particular interest due to the fact that there is generally 100% humidity under these slabs which is constantly trying to get into our buildings. The way we are able to prevent this humidity from going through our slabs is to install a vapor barrier per ASTM E1643, which all the flooring manufacturers and most specifications reference. ASTM E1643 & the manufacturer of vapor barrier systems are very specific when it comes to the installation of their product in order to perform as expected. To protect everyone involved, we need to pay special attention to the installation of these vapor barrier systems and follow the manufacturer's specific instructions carefully.

Corey S. Zussman, AIA, NCARB - Director of Quality Management



- 0 Vapor barrier has been installed UNDER a future trench drain for complete vapor barrier coverage/protection.
- 1 Proper installation of 18"x18" penetration overlay at each penetration.
- 2 Proper installation of vapor barrier tape—cleaned area with rag prior to tape installation.
- 3 Proper installation of vapor barrier mastic around and up pipe penetration, making sure it is not above the floor line.
- 4 Forms are properly held back at least 9"-12" in order to allow for proper 6" overlap of vapor barrier.
- 5 A 4'-0" vapor barrier edge has been installed to ease field installation.
- 6 Proper installation of vapor barrier mastic around pipe penetration in a group...this is where tape would not work well.
- 7 Edge of slab is properly taped off and properly closes off the vapor barrier at the edge.
- 8 Wire Welded Fabric (WWF) chairs or concrete bricks are properly being installed in order to maintain proper location in the slab.
- 9 Vapor Barrier tape and vapor barrier is installed with NO "fish mouths" or openings on the edges of the tape.



Poor Installation

