



By **Kate Hamilton**
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Keep Vapor at Bay

Don't let the elements infiltrate your structures. Install a vapor barrier to reduce moisture penetration.

A. Lower Moisture Vapor Transmission

ProSpec Moisture Vapor Reducer lowers the moisture vapor transmission rate of a concrete substrate by up to 80%, taking a substrate that emits 15 lbs. of moisture per 1000 sq. ft. in 24 hours to less than 3 lbs./1000 sq. ft. in 24 hours. The product is ideal where quick return to service is required. It can be applied to green concrete as little as 14 days old and features a rapid-drying formula that allows same-day flooring installation. Bonsal American. 800-738-1621. www.bonsalamerican.com.



B. Tough Underslab Barrier

Based on polyolefin resin/chemical technology, Perminator underslab vapor barrier helps reduce the penetration of moisture and water vapor through the slab. Tough enough to withstand jobsite conditions and traffic, it won't crack, puncture, snag, split, or tear easily. After the soil has been tamped and leveled, or compacted fill has been applied, roll out the 200-ft. sheet as is or cut to size and install using the overlapping method. Perminator exceeds the requirements of the ASTM E 1745 specification. W.R. Meadows Inc. 800-342-5976. www.wrmeadows.com.



C. Breathable Building Skin

Completely seal a building enclosure with the easy-to-apply Blueskin VP, a fully integrated, self-adhered, vapor permeable air and water barrier membrane. Backed with a patented permeable adhesive layer, it is applied with simple hand tools in a weatherboard fashion. The product seals the building to control air leakage and maintain a continuous drainage plane. Blueskin VP. Henry Co. 800-486-1278. www.henry.com.



D. Two Barrier Options

Designed for underslab use to prevent moisture migration, Viper VaporCheck II acts as a barrier and retarder. The multilayer, plastic extrusion product is manufactured from prime virgin polyolefin resins and provides low water vapor permeance, high-tensile strength, and the ability to resist punctures and tears during rigorous installation. Available in gray 10-mil 14x210-ft. rolls and blue 15-mil 14x140-ft. rolls, both options are Class A vapor barriers/retarders under the ASTM E 1745 standard. A 10-mil, Class C option also is available in a 14x210-ft. roll. Insulation Solutions Inc. 866-698-6562. www.insulationsolutions.com.



For more information, visit
www.concreteconstruction.net/freeinfo.