



RAMVENT®

Radon Abatement Mat

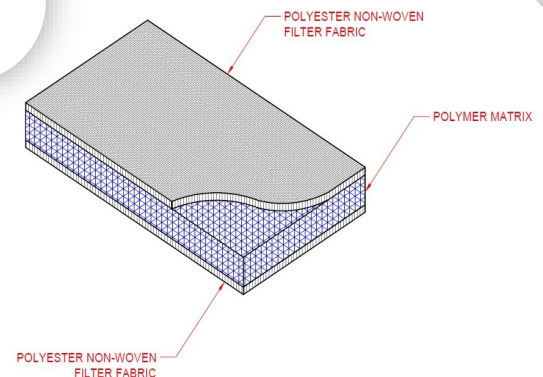
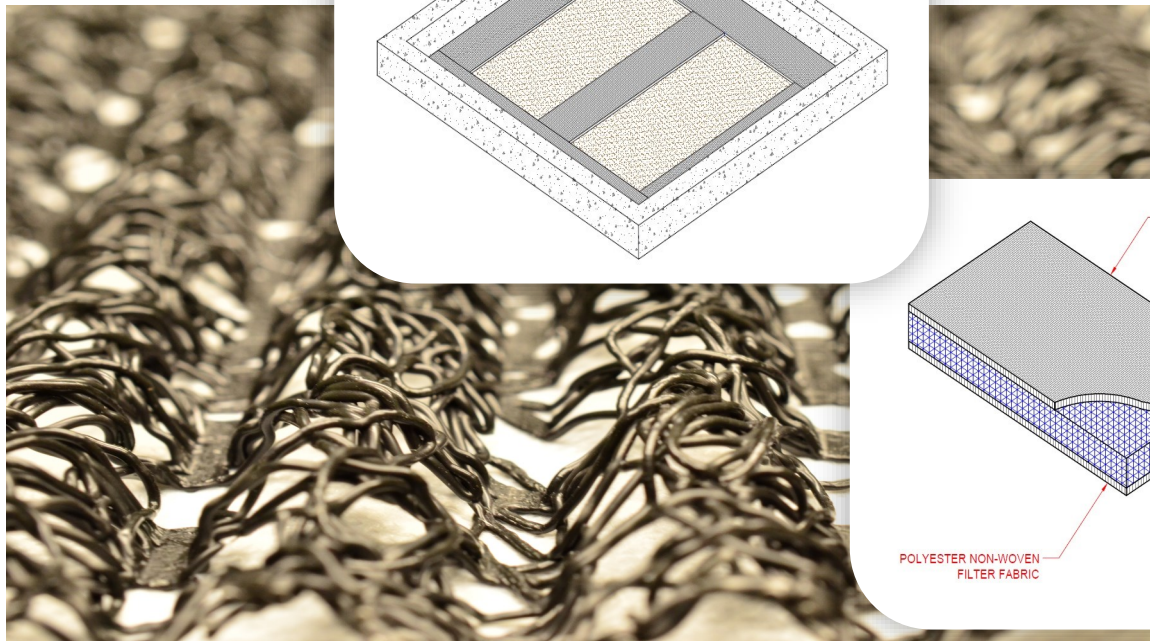
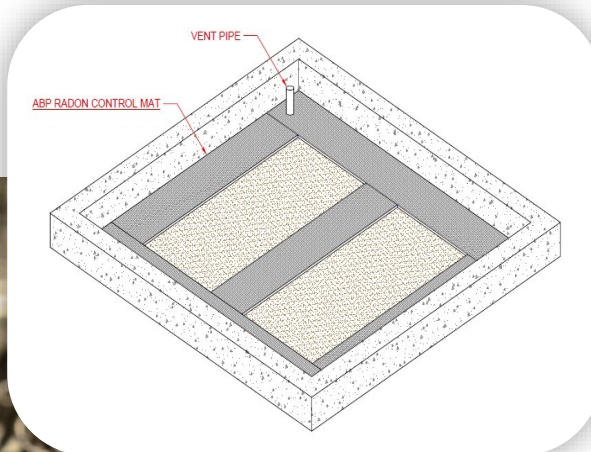
Specification
Bulletin
No. 701
US Patent Number
12,123,158 B2

Description

RAM Vent® is a lightweight entangled geomatrix material manufactured for use in an active radon mitigation system. RAM Vent® is manufactured with a 95% open entangled design with heat bonded filter fabric on one or two sides. RAM Vent® helps move the flow of radon gas horizontally beneath the concrete floor to the vent pipe for proper evacuation to the outside.

Benefits

- RAM Vent® has a high compressive strength. Independent test data shows RAM Vent® compresses to .741" from a starting point of .75" under 150 psf. An average concrete floor is only 40 to 50 psf.
- Made from Polypropylene; the filaments resist most chemicals and solvents.
- Material is .8" thick and available in 10", 20", and 39" widths by 50' rolls.
- RAM Vent®, along with a complete venting system, can reduce radon levels up to 97%.



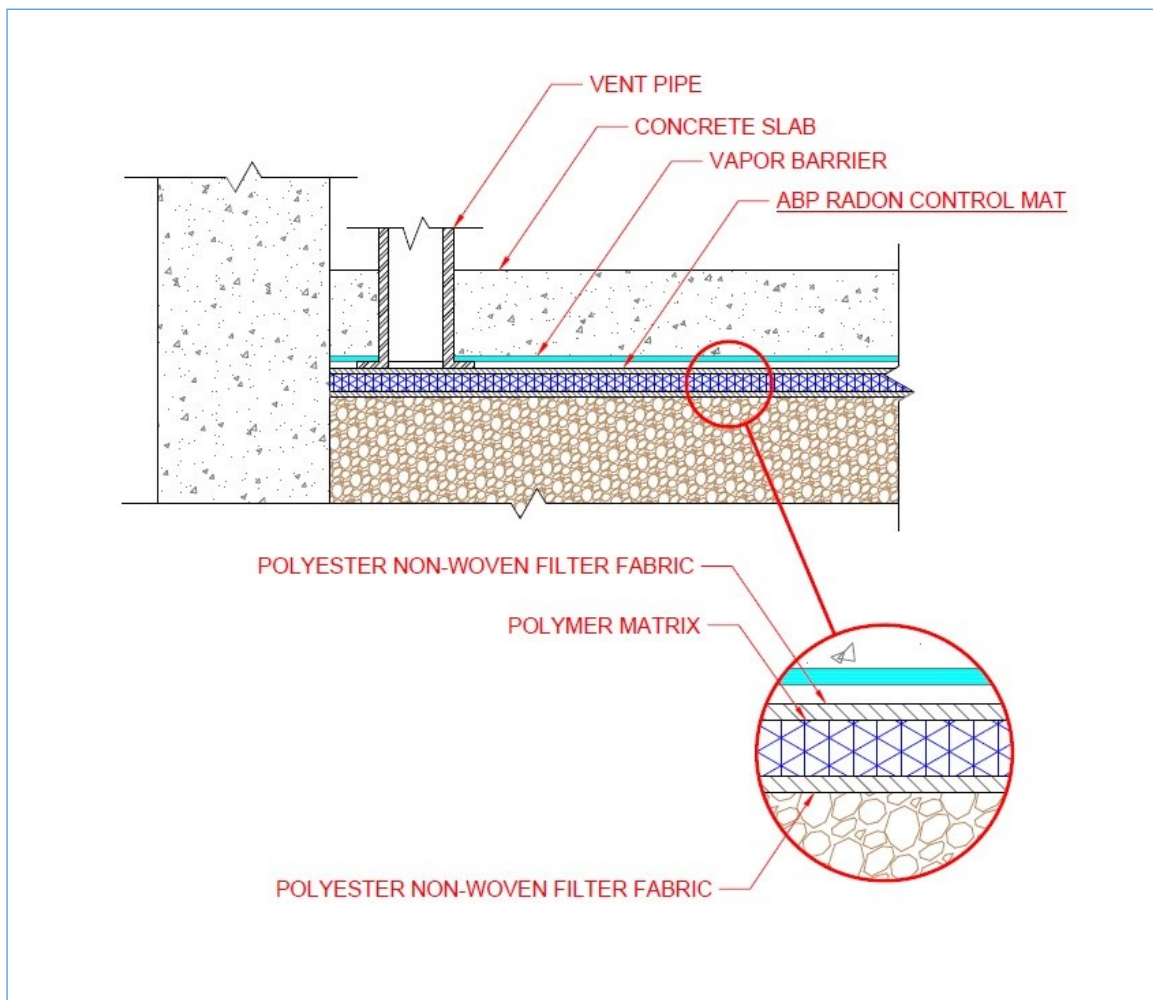
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Installation Instructions

- Unroll RAM Vent® along the perimeter of the footings on top of the soil.
- Lay a cross piece of RAM Vent® through the center parallel to the longest wall every 15 to 20 feet. Then, overlay the subfloor with a vapor barrier extending up the wall.
- Cut a 3" (8cm) hole in the vapor barrier near the most appropriate corner. Next, glue a 4" (10cm) flanged riser pipe with a detachable cap to the vapor barrier and sitting on top of RAM Vent® (The pipe stub should be long enough to extend above the top of where the slab is poured). Then, pour the slab. Finally, extend the vent pipe through the roof.
- Additional Instruction— Make sure to seal any cracks/ seams etc. on top of the concrete with a sealant, such as silicone.



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