DB+ Installation instructions

The Smart vapor retarder and airtight layer is installed on inside of the instulation in exterior walls and below the ceiling as the means to make a very airtight building enclosure.

Please note

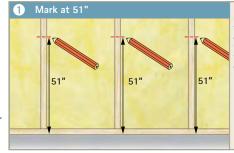
All installations and framing that will be encapsulated by insulation and all insulation (except blown-in), should be installed prior to membrane installation.

Check studs/framing for nails, splinters and unnecessary protrusions – this prevents punctures and excessive bulging of the membrane.

Ensure the site and floor is dry, clean, dust and free of grease/adhesive/silicones. Remove loose materials and sweep prior to installation.

Equipment: Pneumatic stapler (compressor at appropriate pressure, so staples set flush with DB+: the paper can be punctured), 10,000+ T50 staples, tape measure, utility knife, caulk gun, marker, straight edge, cutting board/sheat of plywood, ladder or scaffold.

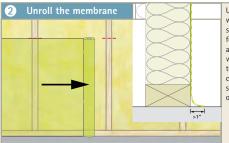
Allways follow site and construction safety procedures.



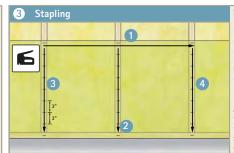
Mark the studs using a marker and measuring tape at a distance of 51" from the floor to indicate where to align the upper edge of the DB+.



DB+ Smart vapor retarder and airtightness membrane with humidity-variable diffusionresistance for active moisture management



Unroll DB+ for entire wall section allowing sufficient material for "relaxed" corners, at intersecting wall studs and fixing to studs. Preferably cut wall openings after stapling main sections of DB+.



Staple along the entire upper edge of the DB+ (1) to every stud first, then on a middle stud (2) pull the membrane tight at the bottom and ensure there is a 1" overlap covering the floor.

Apply staples paralel to the studs working your way down each stud spacing the staples evenly at 3" distance.

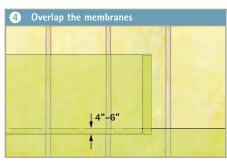


TESCON VANA Multi-purpose adhesive tape for sealing membrane overlaps

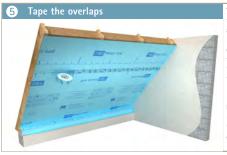


ECOCOLL

Natural latex joint
adhesive in cartridge
or tubular film. For
joints to adjacent
mineral or rough

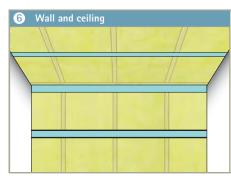


Using the printed markings as a guide, overlap the upper sheet by approx. 4"-6" and staple both sheets along the entire length first. As in step 3 – pull the membrane tightly up (forming a triangle) and staple. Ensure junctions between walls and ceilings are "relaxed". Also avoid vertical joints/overlaps of DB+ in corners.

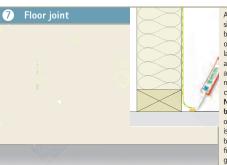


Tape the DB+ with UNITAPE airtight tape so that it is free of any tension or stress. Center tape over the joint and press firmly to adhere it securely with a PRESSFIX tool.

Remove any leaks caused by creases or folds in membrane by covering them with tape or cutting them out.



Install the DB+ so that it completely covers the walls and ceiling and tape seams with UNITAPE, ensuring that you form an airtight seal.



Apply ECOCOLL adhesive, forming a continuous bead approx. 1/4" thick on the floor board and lay the membrane in the adhesive bed, leaving an expansion joint. Do not press the adhesive completely flat.

Note for all adhesive bonds: The substrate onto which the adhesive is applied should be load bearing, dry, smooth and free of dust, silicon and grease.

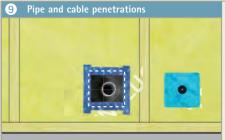


ROFLEX / KAFLEX Sealing gaskets for rapid and permanent airtight connections to cables and pipes that penetrate the airtight layer



Add horizontal counter battens spaced max. 20" apart before the dense packed insulatio is blown in

The battens form a service cavity in which the wiring/services can be placed. Cavity can also be insulated before the sheetrock is mounted.



Join the pipes and cables with ROFLEX and KAFLEX air sealing sleeves. The cable sleeves are self-adhesive. Tape the pipe sleeves to the DB+ with TESCON VANA.



Blowerdoor Verify airtightness of installation with a blowerdoor test.

Further information about application and construction is given in the pro clima planning documentation and application recommendations.

If you have any questions, please contact us.

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