

DELTA® -VENT SA KEY MESSAGES FOR ARCHITECT CURRENTLY USING BITUMEN SHEET OR SPRAY



Traditional barrier materials, such as bitumen sheets or sprays, are compromising building protection and limiting wall assembly performance.

- A significant portion of heating and cooling costs for buildings comes from air leakage through the building envelope – and those leaks are often caused by improper or ineffective installation of air barriers
- With sprays, it's extremely difficult to achieve consistent coverage, which means building protection also isn't consistent
- Sprays don't hold up when buildings shift and they don't provide sealability around fastener penetrations
- Bitumen sheets, on the other hand, are WRBs, air barriers, and moisture barriers, but they aren't vapor permeable; and the addition of that permeability evolves wall assemblies into flow-through assemblies
- Bitumen sheets and sprays fail to provide the moisture permeability needed to properly protect buildings from incidental moisture getting trapped inside the wall cavity, which can cause mold and other issues

Self-adhesive WRB and air barriers are the most effective way to create high-performance buildings protecting against water intrusion and minimizing air leakage while allowing water vapor to escape via diffusion.

- Fully adhered barriers mean buildings are water tight, air tight, and weather tight
- Ideal and consistent levels of vapor permeability are harder to achieve with sprays and bitumen; and vapor permeability is important in the fight against moisture damage
- This level of complete protection not only helps with occupant satisfaction and comfort, but also contributes to fewer building issues, greater energy efficiency, and longer building life overall

DELTA®-VENT SA is *the best vapor-permeable WRB and air barrier for commercial buildings, with proven results in driving energy efficiency and improved building performance.*

- By combining industry-leading technology with complete application tools and support, DELTA®-VENT SA keeps the building air tight and the water out of the wall system for the life of the building
- The DELTA®-VENT SA system is the *only* self-adhering WRB and air barrier with the security of a self-adhesive edge lap – which provides a 100% sealed edge
- The full, long-term adhesion of DELTA®-VENT SA maximizes the airtightness and eliminates leaks from fastener penetrations – unlike other mechanically fastened sheets
- This improves indoor air quality by preventing inward air leakage through the wall cavity, which in turn prevents VOCs and mold from entering building spaces

DELTA®-VENT SA leads the industry in vapor permeability with a rating of 50 perms.

- Although air and water tightness is essential, buildings also tend to create or house moisture, typically experienced in the building process
 - Other products can trap this moisture within the envelope, leading to mold and damage and causing further issues with occupant comfort and health
 - While keeping external air and water out of the building, the industry-leading permeability of DELTA®-VENT SA allows moisture and vapor to escape, for more effective drying
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DELTA® is the only manufacturer that offers a complete line of application accessories so every corner, window, gap, and edge is 100% sealed, and your building has a continuous envelope.

- A building's energy efficiency and air tightness are only as strong as its weakest link, or smallest gap
- With a complete system, architects don't have to worry about contractors or applicators leaving any gaps or spaces during installation – the building will have a continuous barrier
- The DELTA® system includes DELTA®-FAS CORNER, DELTA®-MULTIBAND, DELTA®-FLEXX BAND, and DELTA®-FLASHING

Being new to the product won't hinder or slow down the process, as DELTA®-VENT SA comes with the best technical and design support in the business.

- The proven performance of DELTA®-VENT SA is supported by the products' many credentials, including all requirements of ABAA and the International Building Code ICC AC 38 (US code requirements, relevant for International Building Code (IBC) and International Residential Code (IRC))
 - These are based on the results of ASTM E2357 - 11 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies
- The team behind DELTA®-VENT SA provides knowledgeable recommendations and Design Logic to solve air and water concerns
- Dörken is the only manufacturer who provides BIM models for an air- and water-resistive barrier, allowing Architects to draft architectural drawings and specify details quickly and with much less effort
- DELTA®-VENT SA comes with installation videos and the best technical manuals in the industry