

What's Under Your Roof?

Not All Insulation Is Created Equal

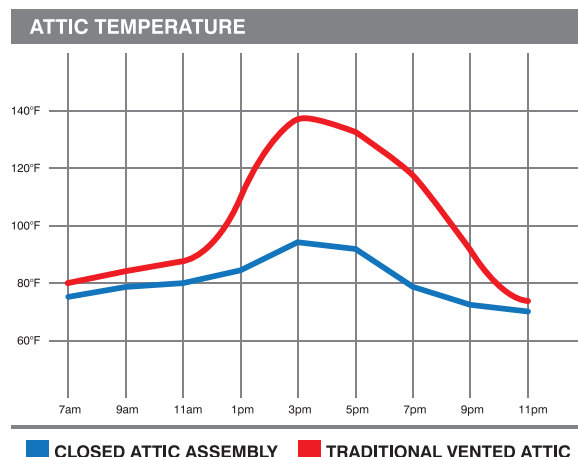
Demilec spray foam seals cracks, gaps, and voids by expanding to air seal and insulate in a single application. The combination of the expanding foam and the inherent adhesive properties of the polyurethane plastic sets our insulation apart from others.

High air permeability of traditional insulation allows air to easily pass through walls where gaps and seams exist. Also, differences between interior and exterior temperatures create convective air currents within wall cavities. Air infiltration and convection currents in walls and ceilings reduce the thermal performance of traditional insulation.



The Debate: To Vent or Not To Vent

Converting attics into a semi-conditioned, unvented space by closing soffits, gables, and ridge vents is a positive design approach to reducing the moisture loads in homes and buildings during hot summer months. This can be achieved by removing the insulation from the attic floor and applying Demilec USA spray foam to the underside of the roof deck. This design prevents the moisture laden outside air from entering the attic and subsequently the interior of the structure.

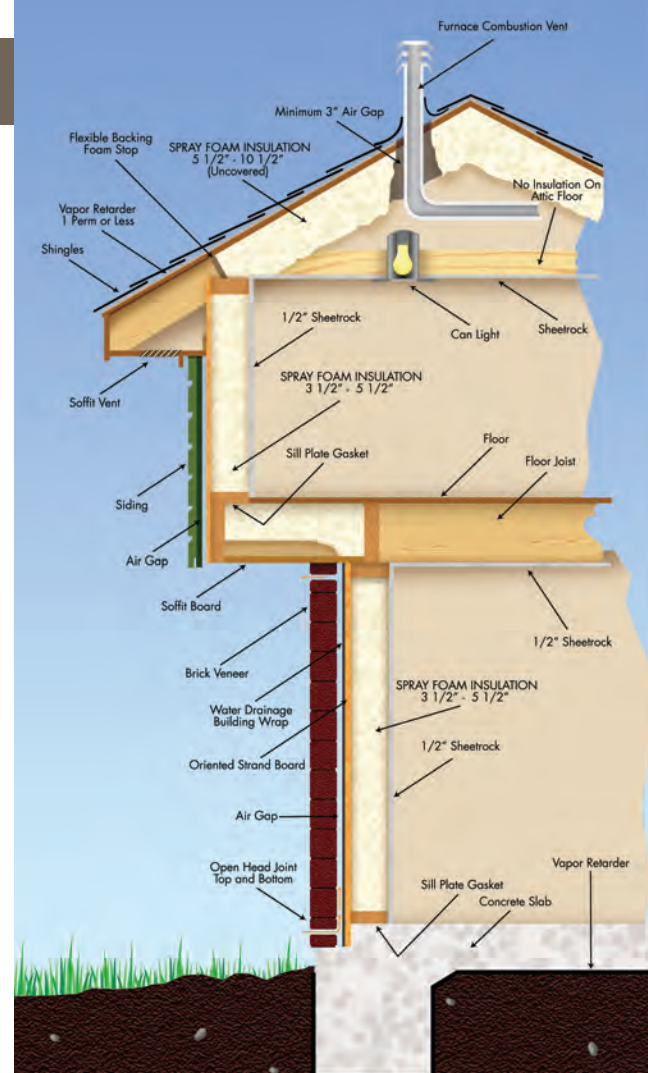


Understanding Attic Ventilation

The original design intent behind attic ventilation was to exhaust moisture from the attic as people lived in their homes; eating, drinking, breathing, bathing, cooking, etc. Studies now show that attic ventilation introduces exterior moisture to the interior of structures, especially in hot-humid climates, increasing air leakage and draining energy.

Furthermore, condensation in attics is often caused by humid air, often from the outside, coming in contact with cold surfaces like supply ducts, metal grills and pipes. This condensation often goes unnoticed in remote attic areas and can be a catalyst for mold or mildew growth.

By air sealing the attic and creating an unvented attic assembly, you can lower the building's air leakage, reduce the risk of condensation and improve your energy efficiency in a single application.



More Than Insulation, Innovation.

- Reduce Air Infiltration
- Increase Energy Efficiency
- Substantially Cut Energy Bills
- Control & Reduce Noise
- Improve Indoor Air Quality
- Reduce Indoor Dust & Allergens



Demilec
3315 E. Division Street
Arlington, TX 76011
(817) 640-4900
(877) DEMILEC (336-4532)
Info@Demilec.com
www.DemilecUSA.com