

Choosing the right insulation can make a significant difference in the comfort and energy performance of a home. For homeowners in Vancouver, Washington, spray foam insulation is one option worth considering because it combines thermal insulation with air sealing. Unlike some insulation materials that are installed as pre-cut sections or loose material, spray foam is applied directly to the area being insulated. As it expands, it can fill cracks, gaps, and irregular spaces that might otherwise allow unwanted airflow. Why Air Sealing Matters Air leakage can occur around framing, penetrations, joints, and other openings in a building envelope. These small gaps can make it more difficult to maintain consistent indoor temperatures. Spray foam can help address both insulation and air leakage by expanding into these spaces. The appropriate application, however, depends on the construction of the property and the area being insulated. Where Can Spray Foam Be Used? Depending on the project, spray foam may be considered for: - Attics - Exterior walls - Interior wall assemblies - Garages - Foundations - Basements and crawl-space areas - Commercial buildings - Certain roofing applications Each area presents different requirements, so the same insulation approach should not automatically be used throughout an entire building. Open-Cell and Closed-Cell Foam Two common categories are open-cell and closed-cell spray foam. Open-cell foam has a less dense structure and expands considerably during application. It can be useful for certain interior applications [wall insulation Vancouver WA](#) and can also provide sound-dampening benefits. Closed-cell foam is denser and more rigid. It provides greater resistance to moisture transmission and is commonly considered where additional durability or moisture resistance is important. The right choice depends on the location, building assembly, project objectives, and applicable building requirements. Start With a Property Assessment Rather than selecting insulation solely on price or product type, homeowners should first determine where insulation or air-sealing deficiencies exist. Supreme Spray Foam of Vancouver provides residential spray foam insulation services in Vancouver, WA. A professional assessment can help determine which areas should be addressed and whether open-cell or closed-cell insulation is appropriate for the project.