

SETTING THE STANDARD IN SPRAY FOAM

PROVIDING YOUR PROJECT WITH THE MOST POWERFUL INSULATOR

An award-winning team dedicated to exceptional energy-efficient results.

THE SOLUTION

OCP's ABAA award-winning spray foam installation team, can design, integrate, and install open-cell and closed-cell spray foam to create an air barrier for your building enclosure, ultimately stopping the uncontrolled flow of air into and out of the building enclosure. The end result is an energy-efficient building envelope.

SPRAY FOAM VS. CELLULOSE



"Your team was not only well trained on the application of the [spray foam] product, they were also able to adapt to the unique constraints of working in a secured correctional facility at the Grafton's Prisons project. Your team's ability, both office and field, to adapt to overcome the daily issues that arose needs to be complimented."

- Grant Raymond, Director of Business Development Dunlop & Johnston, Inc.

WHAT TO EXPECT

Spray polyurethane foam is categorized by either open-cell, or closed-cell insulation materials. Both materials provide a building enclosure with insulation and air sealing. Based on the needs of the project, engineers decide which material is best for installation.

Open-cell spray polyurethane foam, or ocSPF, is composed of an open cell structure in which the cells are filled with air. When applied, the open-cell structure creates a soft, malleable foam. As with fiberglass and cellulose, air is the primary insulation component in ocSPF.

The fine cell structure of ocSPF makes the material air-impermeable when applied at a certain thickness. Due to the fact that it is not air-permeable, ocSPF is ideal as an air-barrier material. When installed, air leakage throughout the building envelope is significantly lowered ultimately conserving the building's heating and cooling usage, and contributing to overall energy efficiency.

THERMAL CONDUCTIVITY

The R-value per inch of open-cell foam typically ranges from R3.6 to R4.5 per inch. The R-value of typical closed-cell foam ranges from R5.8 to R6.9. Similar to ocSPF, ccSPF is also non-permeable to air, making it ideal for use as an air-barrier material. However, unlike ocSPF, ccSPF is non-permeable to water, making it ideal for applications in which the building envelope could be exposed to excessive amounts of moisture.

THE SYSTEM

Closed-Cell Spray Foam in a Masonry Cavity Wall

Applied to the masonry block wall before the brick veneer, closed-cell spray foam forms a fully adhered and seamless membrane that bridges and seals construction gaps and holes around penetrations while providing added R-value per unit thickness, an air barrier, a water barrier and a moisture vapor retarder.

Closed-Cell Spray Foam on a Masonry Wall with Interior Framing

Designed with the studs offset by 1" from the masonry wall, closed-cell spray foam is applied to the masonry surface, expanding out to form a seamless membrane, sealing between the wall and the studs. Additionally, the membrane seals the wall to floor and wall to roof deck joints. Closed-cell spray foam has no thermal or moisture gaps, resulting in superior thermal control with an air barrier and Class II vapor retarder.

SAVE TIME AND MONEY WITH **PREFABRICATED CONSTRUCTION APPLICATIONS**

An ideal solution for insulating prefabricated building panels, the combination of spray foam and prefab eliminates the need for extra manpower and equipment on-site. OCP's spray foam team has experience working with an ever-growing network manufacturers.

LEED CREDIT OPPORTUNITIES

Spray polyurethane foam can both directly and indirectly contribute towards points for certification of LEED projects through optimizing energy performance, thermal comfort design, air sealing, insulation and providing a cool roof through the heat island effect.



CLEVELAND, OHIO



AFFILIATION

Since 1968, OCP Contractors has brought quality, innovation and satisfaction to every project. By combining an unparalleled commitment to our customers with our construction experience, we have grown to be Ohio's largest interior contractor. In order to stay up-to-date with the latest industry trends, OCP is Gold Star Certified by NCFI Polyurethanes. Additionally, OCP is accredited by the Air Barrier Association of America.



*As Ohio's largest interior contractor of choice, OCP's Spray Foam team is expanding throughout the State.

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