



JM Insulation Project Showcase

An environmentally savvy, energy efficient hybrid solution for a marquee medical building

Castle Pines Medical Center, Castle Pines, Colo.



Description: The city of Castle Pines has always strived to preserve the community's natural settings and enhance the quality of life for its quickly growing population: the city grew by 67 percent between 2000 and 2010, from 6,000 to 10,000 people. When the community needed a marquee medical building to accommodate the growth of multiple medical and dental businesses, they turned to White Construction Group to build the Medical and Dental Center of Castle Pines (MedDentCP), a 25,000 square-foot building in the heart of the city.

Once complete in summer 2013, MedDentCP will house multiple state-of-the-art medical companies in a building that complements its natural Colorado landscape and benefits the environment through the use of energy-efficient and green products.

Challenges: The medical center's future tenants are dedicated to the health of the families they serve, but White Construction Group wanted to ensure the building was dedicated to environmental health by meeting the most current International Energy Conservation Codes (IECC) for energy efficiency. MedDentCP was also operating on a short build time of around nine months. While the company had initially planned to pursue a spray foam and foam sheathing hybrid solution, its triple mandate to deliver environmentally friendly results, maximize budgets and reduce install time led them down a different path.

Solution: GRT Insulation created a continuous insulation solution to drastically reduce thermal transfer using a hybrid solution of foam sheathing placed on the exterior of the wall assembly and R-13 batts installed in the interior wall cavities. Just as MedDentCP is one-stop for all the healthcare needs, Johns Manville served as a one-stop shop for all of GRT Insulations' needs, providing JM R-13 Batts and JM AP™ Foil-Faced Polyiso Foam Sheathing, both high-performance commercial products that are designed to work well in combination with one another.

The hybrid insulation solution proved cost effective and enabled faster installation, helping the MedDentCP work towards energy efficiency goals while staying within budget and build timeline.

Location:
Castle Pines, Colo.

Builder Representative:
White Construction Group

Contractor:
GRT Insulation
Mark Davis

JM Insulation Solution

Almost 30,000 square feet of continuous insulation in less time, with fewer costs.