

South Pointe Toyota

Calgary, Alberta, Canada



Plasti-Fab® PlastiSpan® 40 sloped roofing provides energy-efficient solution for Calgary car dealership

Motorists driving on the Deerfoot Trail highway in south Calgary will have a hard time missing the South Pointe Toyota dealership. The 118,000 sq. ft. building features an eye-grabbing rooftop car display. But designing a roof system capable of withstanding regular car travel poses its own set of challenges: the sloped PlastiSpan® 40 insulation needed to be designed to provide proper drainage of the rooftop concrete surface and still provide adequate insulation to meet the owner's concerns for energy efficiency.

Roofing contractor CCS Contracting met these requirements with a sloped roofing system from Plasti-Fab® with PlastiSpan 40 expanded polystyrene insulation. With a compressive resistance of 40 psi, PlastiSpan 40 is a suitable insulation material beneath roadways or heavily loaded structural slabs.

"They couldn't slope the deck, because with roof trusses at 12-inches on center it would have been too costly," said Richard Cushman, the Calgary branch manager for CCS Contracting. "So we decided to go with sloped insulation."

PlastiSpan sloped roof insulation provides the positive slope necessary for roof drainage while delivering closed cell insulation with guaranteed long term thermal performance.



To maintain the building owner's goal of R-20 insulation, CCS Contracting used an 8-inch-thick sloped roofing system. Unlike other high density insulation products, PlastiSpan sloped roofing can be fabricated in a single layer up to 8-inches thick.

"They had originally specified a flat high-density extruded polystyrene product," said Cushman. "They changed the system to sloped high-density and I knew we could lower costs and have less waste with a sloped, high-density system from Plasti-Fab," said Cushman.

"This was a unique application where a sloped roofing system with PlastiSpan 40 was able to meet the client's needs and save them money," said Ed Djonlich, a Plasti-Fab representative who provided customer support on the project.