

PAREXUSA



The Pod: Center of Science and Industry – Columbus, Ohio

ProjectProfile

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Size: 900 sq. ft.

Distributor: Reitter Stucco and Supply Company

Applicator: Reitter Stucco and Supply Company

Reitter Stucco and Supply is a fourth generation contractor and supplier specializing in stucco, manufactured stone, and EIFS products. The company has been servicing the Central Ohio market since 1915 and is considered an industry leader in the marketplace.

The POD was a two-year project for the Ohio State University Knowlton School of Architecture and the Department of Mechanical Engineering. The challenge was to design a building that could produce all the electrical energy required to provide shelter, lighting, hot water and heat from its own source, solar energy. After the design was defined, they were faced with the challenge of finding a material that was capable of cladding and protecting the SIP panels. A flexible material was needed to address the unusual shape and various angles created from its unique design.

Reitter was chosen to install stucco for the exterior cladding but after meetings with the designers, an understanding of the purpose of the project and other concerns the project had, they suggested the Optimum WaterMaster System from Parex. This enabled Reitter to provide a monolithic surface that did not require control joints, offered a light weight energy efficient material and was flexible enough to handle the 5.5 mile move to the Pod's final resting place at the Center of Science and Industry (COSI).

The biggest challenge for Reitter was building the scaffold in a manner that would enable proper and safe application of the various materials. Not to mention the hundreds of penetrations for the attachment of solar panels and electrical junction boxes. All bolts and penetrations were sealed with 495 KeyGuard, sheathing tape and expandable seal-tape to ensure a complete water-proof substrate. Reitter also installed Parex 358.10 12 oz mesh prior to the 355 standard mesh and high impact corner mesh on all the outside corners of the roof in order to ensure the area had additional protection from a minor hail storm.

"The simplicity of Parex's WaterMaster system made it an obvious selection compared to other products in the market," said Jack Reitter, Vice President of Sales. "Versatility to accommodate any surface without control joints, energy efficiency, light weight, and the flexibility to handle potential stresses were some of the product features we were looking for." The project was an overall success and can be seen today at COSI.



The Challenge

- Extreme angles
- Multiple penetrations
- Enclosed building application

The Solution

- Parex Optimum WaterMaster System
- Parex 495 KeyGuard
- Parex Optimum Basecoat and Adhesive
- Parex Parflex
- Parex 358.10 Mesh
- Parex 355 Mesh
- Parex High Impact Corner Mesh
- Parex 310 Primer
- Parex 610 Matte Sealer