



Steel-Ply was used in a horizontal configuration to form support beams for each floor of the mall and parking garage.



The FrameFast shoring system provided support for the concrete beam forms.



A combination of filler sizes allowed Steel-Ply to be set to a radius.

Dayton Superior is One-Stop Shop for New Mall

SUMMARY

The Agora Mall construction site is located in the heart of Santo Domingo where two major streets converge. The eco-friendly mall, completed in early 2012, is the country's first building to be LEED certified. It has been designed to realize a 40% decrease in energy consumption and up to 40% in water usage. Spanning 120,000 square meters, the mall offers a 1,800 space garage, a food court, a sit-down restaurants, a movie theater, entertainment park area and more than 180 retail shops. It will represent an investment of \$100 million U.S.D. in Santo Domingo's economy.

CUSTOMER

Owner: Landmark Realty Corp.

Civil Contractors:

Imbert Dominguez & Associates -

Maireni Bournigal & Co.

Distributor: Ace Forming Systems (Puerto Rico)

PROJECT

Agora Mall, Mixed-use Retail/Parking Garage

CHALLENGE

The Agora Mall construction project, among the largest in the Dominican Republic, was on an extremely tight construction schedule. Requiring considerable equipment needed during construction and nearly 500 laborers on site each day, the project demanded precision scheduling and coordination. To assist in the coordination of construction progress, the contractor wanted to use equipment and materials they were familiar with to save time and money on the job site.

SOLUTION

Imbert Dominguez turned to the product solutions of Dayton Superior and Symons® brand to help them in maintaining their demanding schedule. Dayton Superior provided Aztec® Castle Chairs, Clean Strip™ J1 EF form release, Bar Lock® and B12A 15mm threaded bar along with Symons brand FormRight™ for the structure's vertical walls, Steel-Ply® forming system for all the beams and conventional shoring. In addition, Ace Forming (a distributor of Symons by Dayton Superior products out of Puerto Rico) supplied Symons FrameFast™ shoring and aluminum joists to support the building's beams. The products were used in the construction of the mall and the attached parking garage.

"We would like to thank Danny Durazo and the Dayton Superior and Symons by Dayton Superior team for the outstanding service we received, which undoubtedly contributed greatly to the final outcome



of the project. We have enjoyed our business relationship with this team and look forward to using your equipment in future projects," said Eduardo M. Dominguez-Imbert, Owner of Imbert Dominguez.

RESULTS

- The contractor had many forming obstacles to overcome but the Steel Ply used to make the large beams worked as anticipated. The Steel Ply met and exceeded all expectations.
- Clean Strip J1 EF worked as promised and provided the Eco Friendly form release on steel and wood faced formwork throughout the project.
- Aztec Castle chairs were used to distribute the heavy rebar loads on the designed Styrofoam blocks that were being used in some of the slab areas. This was the right product for their specific challenge.
- FormRight provided speed in the assembly of the formwork while allowing reuseable threaded bar to be used as ties.



STEEL-PLY FORMING SYSTEM

- 1000 psf allowable pressure
- 1/2" HDO plywood gives a great concrete appearance
- No special tools required - just a carpenter's hammer
- The same form can be handset or gang formed
- Only one type of connecting hardware is required - Wedge Bolts
- Has been the most popular concrete forming system in the USA for over 50 years

RELATED PRODUCTS FROM DAYTON SUPERIOR

Symons by Dayton Superior FrameFast® Shoring System

- The FrameFast shoring system is engineered for maximum strength, labor productivity and reuse capabilities.
- FrameFast components feature high strength to-weight ratios. Most components are light enough to be carried by one person
- The system includes Heavy Duty Shore Frames, Adjustable Post Shores, Adjustable Horizontal Shores, and Aluminum Beams.
- Shoring products are available in a wide range of sizes for virtually any deck forming application.

Dayton Superior Rebar Supports

Dayton Superior Chemical Products

RESOURCES

Learn more about Dayton Superior and Symons brand product solutions at: www.daytonsuperior.com. Contact your Dayton Superior representative at 888-977-9600, or send an email to info@daytonsuperior.com if you would like to discuss how these or other innovative systems can make your construction projects more productive.