Westfield Town Center Mall

US SPEC Products: H2
Contractor: Orr Builders
Location: Palm Desert, California
Date of Completion: May 2014

Originally constructed in 1983, Westfield Palm Desert, a mall located in Palm Desert, California, has expanded over 200,000 square-feet in the past 30 years. Formally owned by the Trizec-Hahn Corporation, it was purchased by one of the nation's largest mall companies, Westfield America, for $82 million in August 1999.

Westfield Palm Desert’s recent expansion and renovations included the addition of four large department stores and several restaurants. O+L Architects, based in Los Angeles, California, was selected to design the project. These recent renovations brought the construction costs to just under of $35 million. Construction began early 2013 and was completed May 2014.

Orr Builders was awarded the task of completing the remodel and additions. Orr Builders is the largest general contractor in Coachella Valley, California and has over 40 years of experience. They have completed millions of square feet of industrial, commercial, medical, restaurant and retail space throughout Southern California. “On time. On budget. And always on the mark.” are the goals Orr Builders ensures their projects are run by.

With the numerous improvements to the mall, challenges did arise. A new concrete slab was poured to provide a new entrance and exit to the mall. However, the pour did not go as planned and the slab was un-level with several areas of heavy spalling. Repairs were required before the final tile covering could be placed.

The repair material selected for the floor repairs was US SPEC H2. Sections requiring repair were located in interior and exterior areas of the entrance. H2 could be used for both the interior and exterior repairs. When it came time to repair the slab, H2 was mixed in 3-4 bag batches in a mortar mixer. Using a mortar mixer is the recommended method to mix the product in larger batches to achieve the proper consistency. In this case, the material was blended at a 1:1 ratio: 1 gallon of US SPEC Dura per 1-50 lb. bag of H2 to achieve desired workability. H2 has been formulated to provide excellent workability through a range of consistencies from putty to fluid. Dura is an admixture designed for use with cementitious mixtures such as grouts and mortars. The mixture was then applied to the areas needing repair. By using Dura, H2 will exhibit increased overall strength and improved bond to the concrete slab. In total, 14 pallets (approximately 896 bags) of H2 and 896 gallons of Dura were used.

Choosing to use US SPEC H2 provided material and labor time and cost effective means of addressing the problems and repairing the concrete slab in a timely manner. The cost of removing the previously poured concrete and re-pouring would have been far more expensive and time-consuming. H2 successfully repaired the concrete slab and allowed construction to continue on schedule. The Westfield Palm Desert was completed May 2014, on time, on budget and on the mark.

Both US SPEC H2/HUB Special Patch and US SPEC Dura/HUB Component B Dura were supplied by HUB Construction Specialties.