

## | CASE STUDY |

Pentra-Sil® (H) and Pentra-Finish™ (HG)



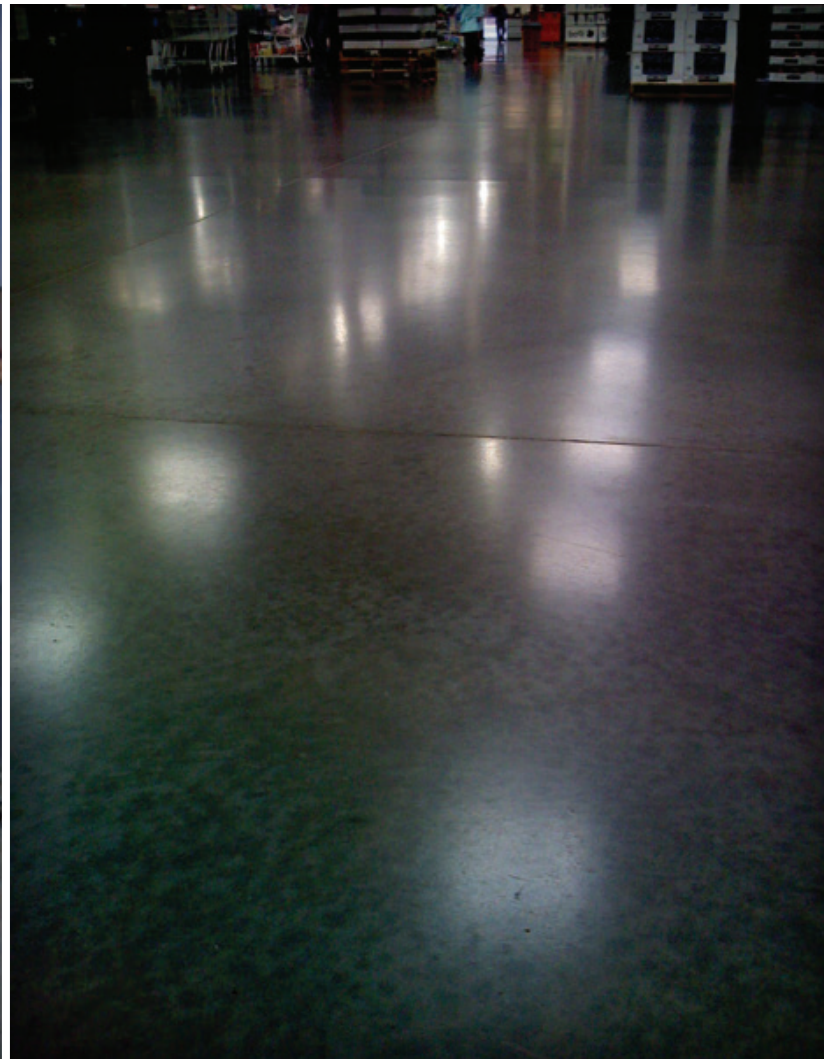
**COSTCO WHOLESALE**

**LOCATION:** Marysville, Washington

**JOB SIZE:** 140,000 ft<sup>2</sup>

**APPLICATION:** Sprayed on





## THE CHALLENGE

With more than 500 operating stores in the United States, plus hundreds more in other countries, **Costco** has millions of square feet of concrete in their facilities. These floors need to be abrasion-resistant and easy to maintain in order to withstand a consistent, high-traffic flow of customers, restocking and routine responsibilities.

To meet this demand, retailers like **Costco** invest a lot of money installing and treating exposed concrete floors. Many companies, however, have become increasingly concerned with environmental implications stemming from the use of sodium and potassium silicate-based densifying and sealing products, as well as with the longevity and effectiveness of the treated floor.

**Costco** decided to try a more environmentally-friendly approach by using a densifier and sealer from CONVERGENT's lithium silicate-based product line on their Marysville, Washington location.

## THE SOLUTION

CONVERGENT's densifiers and sealers are lithium-based and don't require post-application rinsing, providing safer and more effective concrete hardening and protection. Nano-Lithium® products like these qualify for LEED credits and help cut down on energy consumption. Regular cleaning of these floors requires only water or a neutral-pH cleaner, eliminating the need to use harsh cleaning chemicals.

The contractor on this project densified the newly-poured slab with **Pentra-Sil® (H)**, then applied **Pentra-Finish™ (HG)** at the end of construction. A high-speed burnish finished the process.



## FINAL RESULTS

CONVERGENT's products gave **Costco's** floors excellent stain protection, resistance to wear and abrasion, and a nice, shiny appearance. These floors are easy to maintain and will continue to look their best for years to come.

The project manager noted that **Costco** managers were pleased with the result, and the wholesale company is using Nano-Lithium® products on a variety of other jobs in the US, the Caribbean, and Japan. Other retailers like Ikea and Walmart have recognized the benefit of using lithium-based PENTRA products and frequently utilize these products in Europe and Mexico.

Do you have a project similar to this one?

**Pentra-Sil® (H)** and **Pentra-Finish™ (HG)** are suitable for a number of jobs and projects. Visit our website at [convergentconcrete.com](http://convergentconcrete.com) or give us a call at 801.375.2280.

### CONVERGENT Products Were Chosen for Two Main Reasons:

- **SUSTAINABILITY** ~ Because these lithium-based products are rinse-free, no hazardous waste is created during application. Treated floors lead to lower energy consumption and don't require harsh chemical maintenance.
- **PERFORMANCE** ~ Pentra-Sil® (H) penetrates into the surface, chemically reacting to create a durable, abrasion-resistant surface. Pentra-Finish™ (HG) seals the surface with a tough, durable micro-film, adding stain-resistance, gloss and resilient protection from wear, extending the life of the floor.



**UNIQUE STRENGTHS, UNMATCHED PERFORMANCE™**

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