

PENETRON Goes Deep for Office Tower in Chile

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East Setauket, New York ([PRWEB](#)) May 01, 2017 -- Constructing an office tower with a below-ground five-level parking garage at a site with a high water table can be done by adding the [crystalline technology](#) of PENETRON ADMIX to the concrete mix. The recently opened Espacio Cordova in Santiago, Chile, is proof of a lasting solution.

The Espacio Cordova building is located at the intersection of Kennedy and Américo Vespucio Avenues in Santiago's exclusive Alonso de Cordova shopping and art district (the Kennedy Avenue link tunnel was also a PENETRON project). This 13-floor office tower, with 978 m² (10,527 square feet) floor plans, has a total project area of 42,790 m² (460,590 square feet) and features five levels of underground parking (667 parking spaces) and a retail area of boutiques and restaurants on the ground floor.

"The PENETRON Chile team was asked by the builder, Constructora Santolaya, to address the waterproofing issues facing the underground structures due to the relatively high water table at the Espacio Cordova construction site," explains Domingo Lema, General Manager of PENETRON Chile. "Given the depth of the foundation, we needed to secure a waterproof concrete structure, even with the high hydrostatic pressure at the site."

The solution was to add [PENETRON ADMIX](#) at the time of batching directly to the concrete used in the foundation slab and in key retaining walls of the five floors of the underground parking garage. Over 2,000 m³ (2,620 cubic yards) of concrete was treated with PENETRON ADMIX.

"PENETRON's crystalline technology keeps water from penetrating into the concrete matrix even under high hydrostatic pressure, and it also provides protection against corrosion and chemical attacks," adds Jozef van Beeck, International Sales & Marketing Director of PENETRON. "Using PENETRON ADMIX for the new concrete structures like the Espacio Cordova can also significantly reduce future maintenance costs."

The PENETRON Group is a leading manufacturer of specialty construction products for concrete waterproofing, concrete repairs and floor preparation systems. The Group operates through a global network, offering support to the design and construction community through its regional offices, representatives and distribution channels.

For more information on PENETRON waterproofing solutions, please visit [penetron\(dot\)com](#) or [Facebook\(dot\)com/ThePenetronGroup](#), email [CRDept\(at\)penetron\(dot\)com](#), or contact the Corporate Relations Department at 631-941-9700.

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