



Moon Palace The Grand Punta Cana



| ABOUT THIS PROJECT: | | |
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| Market Segment: General Construction | Owner/Developer: Grupo Palace / The Palace Company | Products Used: Xypex Patch'n Plug Xypex Concentrate |
| Location: Punta Cana, La Romana, Dominican Republic | Engineer: The Palace Company | General Contractor: The Palace Company |

The construction of Moon Palace The Grand Punta Cana, a significant hospitality development in the Dominican Republic, required a highly durable concrete waterproofing solution due to its coastal environment and continuous exposure to moisture and saltwater. The primary challenge was to prevent water leakage from the inside while protecting the reinforcement steel from saltwater attack, ensuring long-term structural durability.

Xypex was selected after other tested systems failed to achieve the required level of performance. A total of 196,200 lb of Xypex Patch'n Plug (PNP) and 81,180 lb of Xypex Concentrate were used on the project. Patch'n Plug was applied to stop active water leaks and heal cracks. In contrast, Xypex Concentrate was applied to the concrete to initiate crystallization within the concrete matrix, permanently reducing permeability.

The Xypex system was implemented after replacing a previous waterproofing system, demonstrating the project team's commitment to long-term performance.

The application successfully prevents water leakage and saltwater ingress, protecting the reinforcement steel, and mitigating future leakage risks in critical concrete elements, delivering durable waterproofing performance suitable for a large-scale coastal hotel development.

