

Case Study: Addressing Moisture-Sensitive Flooring in a Commercial Office Space



Introduction

A national commercial real estate developer was facing persistent flooring failures across multiple office buildings. The resilient flooring installed in their properties exhibited signs of bubbling, peeling, and adhesive failure shortly after installation. The company sought a long-term solution that would prevent moisture-related issues and ensure durability.



Customer's pain points

The real estate developer struggled with high levels of moisture in their concrete slabs, leading to flooring failures that resulted in costly repairs and tenant dissatisfaction. Despite following standard moisture testing procedures, they found varying results across different sections of the same building. The inconsistent readings made it difficult to identify problem areas effectively. Furthermore, they were unaware that their buildings' HVAC shutdowns during weekends and holidays contributed to temperature and humidity fluctuations that exacerbated the problem.



Taylor's solution

With recommendations from Taylor technical team, the customer conducted a comprehensive site evaluation, following ASTM F1869 and ASTM F2170 moisture testing standards to assess the extent of the moisture problem. Using an impedance meter, the customer was able to pinpoint the areas with the highest moisture readings and recommended treating the entire slab based on the highest detected moisture level.

To address the issue, Taylor provided a high-performance moisture mitigation adhesive system that created an impermeable barrier between the concrete substrate and the resilient flooring. This system effectively blocked moisture from reaching the flooring adhesive, preventing delamination and bubbling. Additionally, Taylor worked closely with the client's facilities team to implement HVAC controls that maintained consistent indoor temperatures and humidity levels year-round, ensuring a stable environment for the flooring.



Conclusion

With Taylor's moisture mitigation adhesive solution and HVAC maintenance recommendations, the real estate developer successfully eliminated flooring failures across their properties. The solution not only improved tenant satisfaction but also reduced long-term maintenance costs. By taking a proactive approach to moisture management and climate control, the client safeguarded their investment and enhanced the longevity of their flooring installations.