

Case Study: Resilient Flooring for a Healthcare Facility



Introduction

A regional healthcare provider was experiencing repeated flooring failures in its assisted living and urgent care facilities. Due to high foot traffic, frequent cleaning, and exposure to medical equipment, the floors deteriorated quickly, leading to safety hazards and increased maintenance costs. The healthcare provider needed a long-term solution that would ensure durability while maintaining a sanitary environment.



Customer's pain points

The healthcare provider faced challenges with selecting a resilient flooring solution that could withstand the rigorous demands of their facilities. The existing flooring suffered from adhesive failures due to excessive moisture in the concrete substrate, and the frequent use of heavy-duty cleaning equipment and cleaning chemicals caused premature wear. Additionally, regulatory requirements mandated specific installation and maintenance protocols, further complicating the selection process.



Taylor's solution

Taylor's technical experts recommended a comprehensive site evaluation, testing moisture levels and pH in compliance with ASTM F2170 and ASTM F710 standards. Recognizing the need for a highly durable and moisture-resistant flooring solution, Taylor recommended a homogeneous sheet vinyl with heat-welded seams to create a seamless, sanitary surface.

To address the moisture concerns, Taylor implemented a moisture mitigation adhesive, Resolute before flooring installation, ensuring a secure bond between the flooring and substrate. Additionally, they provided training for the healthcare provider's maintenance staff on proper cleaning techniques and the use of approved chemicals to prevent premature degradation.

Taylor's Resolute® is designed to accommodate heavy foot traffic and rolling loads. It is a high-performance adhesive that maintains its strength despite frequent exposure to cleaning solutions and medical equipment. HVAC monitoring systems were also recommended to maintain consistent temperature and humidity levels to prevent expansion and contraction issues.



Conclusion

With Taylor's flooring solution, moisture mitigation strategy, and technical support, the healthcare provider successfully enhanced the durability and longevity of their flooring installations. The seamless vinyl flooring improved infection control while reducing maintenance costs and safety risks. By implementing proper cleaning protocols and maintaining temperature stability, the healthcare provider ensured a reliable, long-lasting flooring solution tailored to their unique needs.